JC73 JUL 12 2004 PATENT & TRADEMARK OFFICE

REPLACEMENT SHEET

FIG. 1A

JC73 OFFICE
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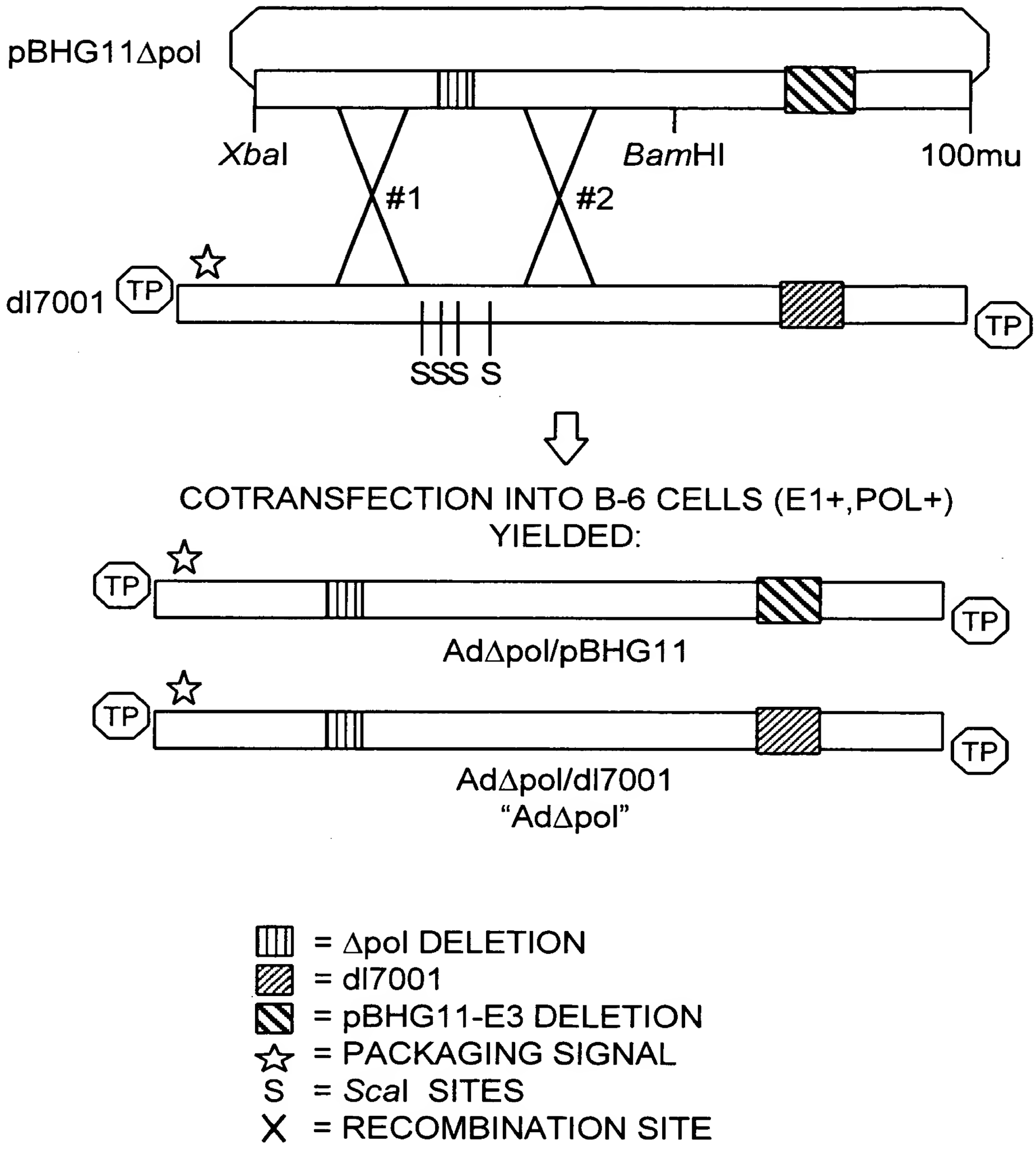
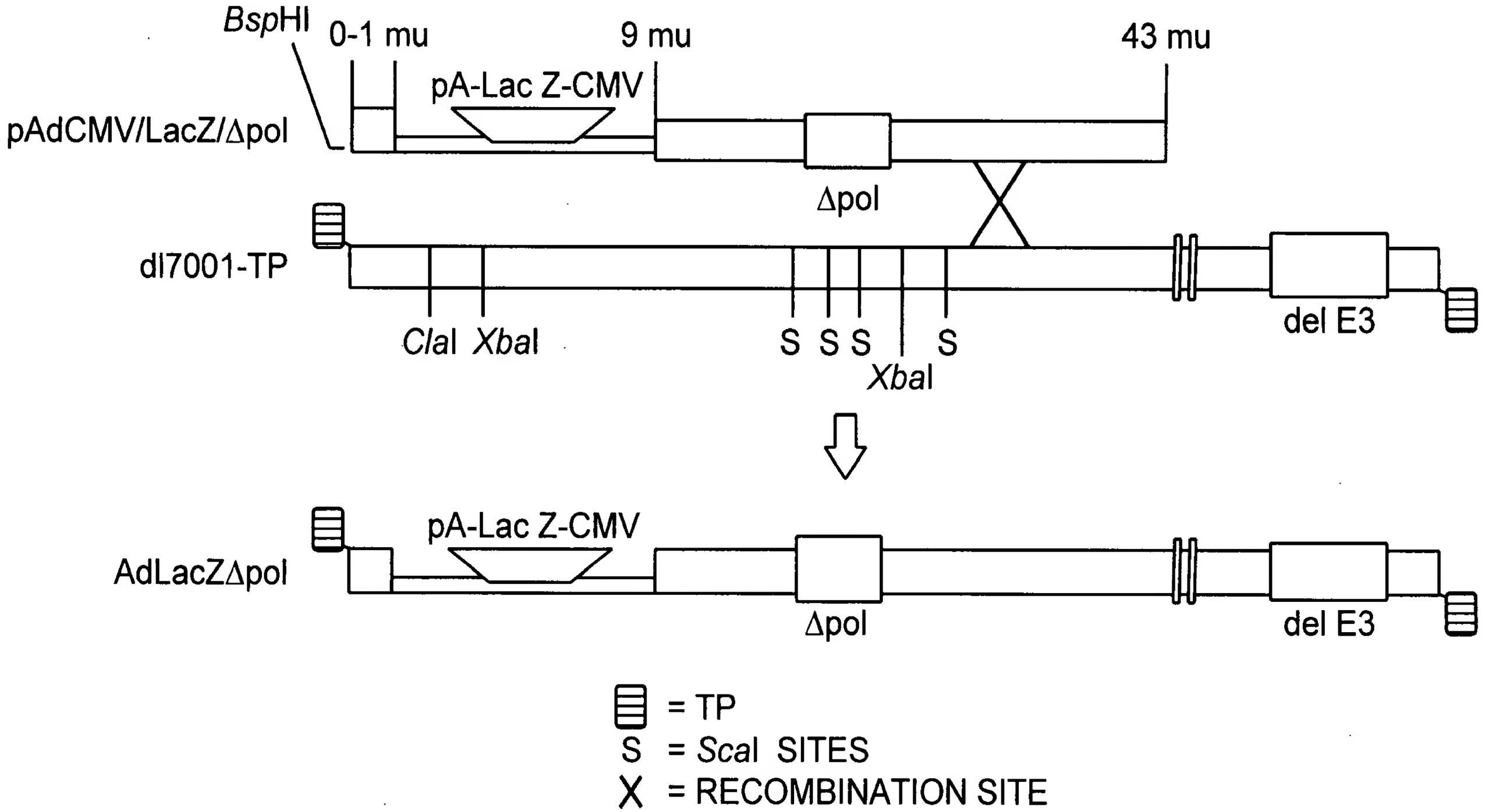


FIG. 1B

JUL 12 2004
PATENT & TRADEMARK OFFICE



REPLACEMENT SHEET

FIG. 1C

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REPLACEMENT SHEET

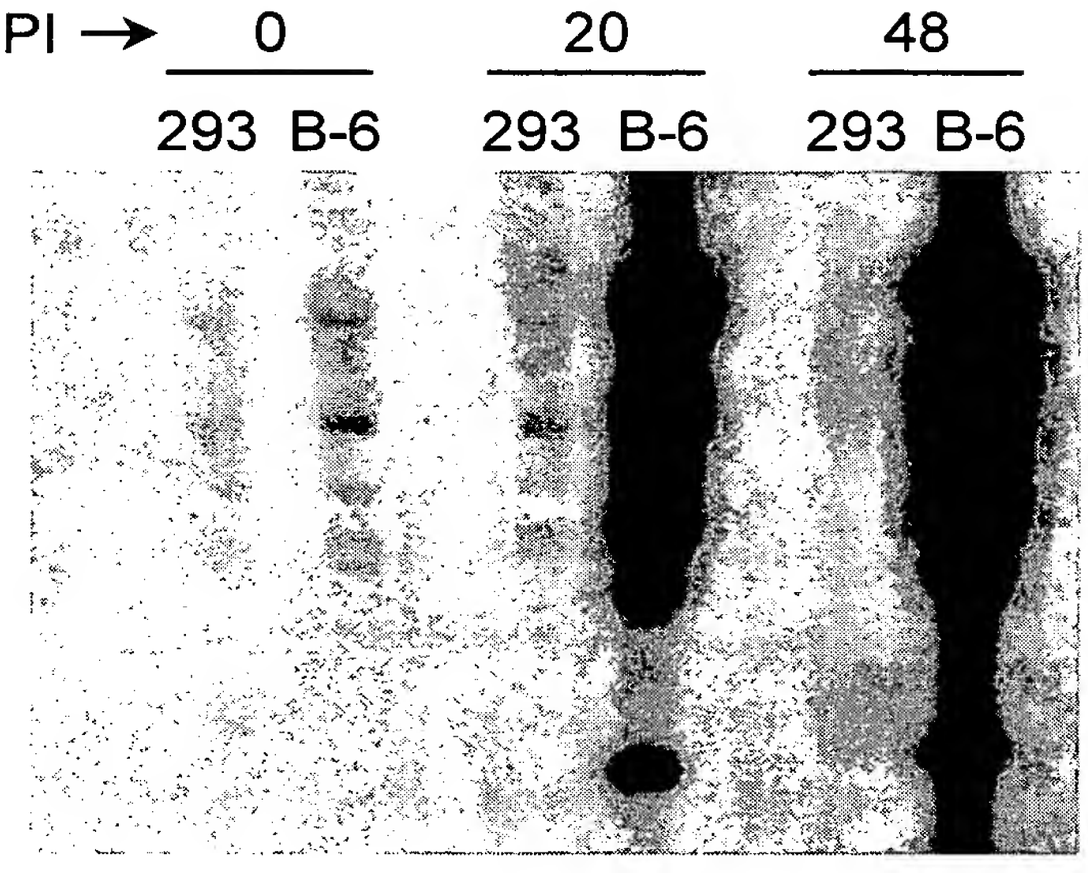


FIG. 2

OIPE JC73
JUL 12 2004
PATENT & TRADEMARK OFFICE

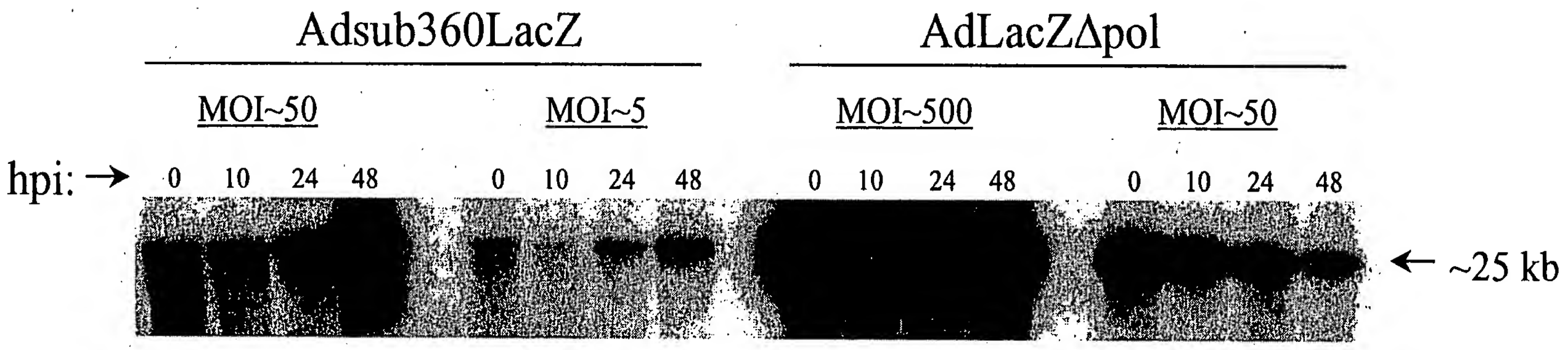


Figure 3

REPLACEMENT SHEET

OIPE JC73
JUL 12 2004
PATENT & TRADEMARK OFFICE

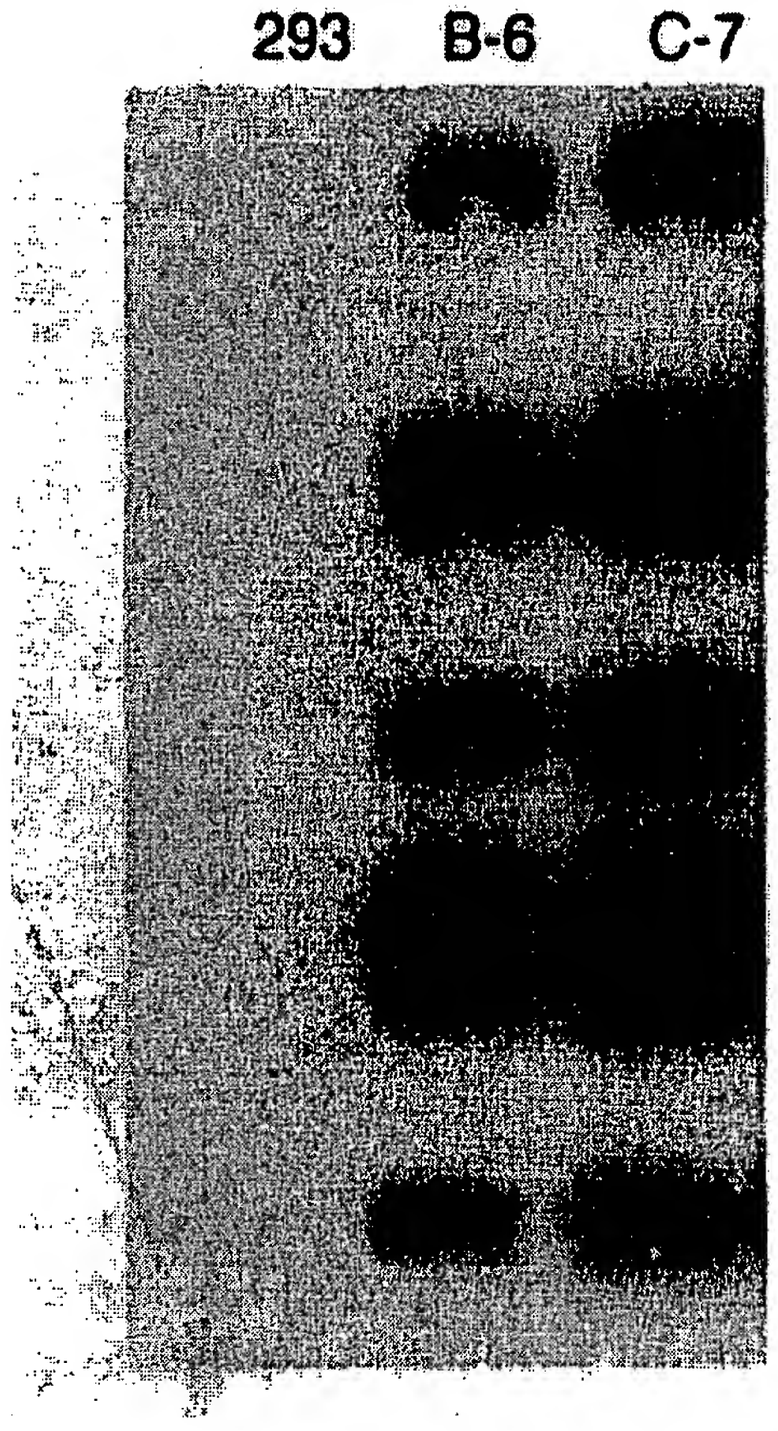


Figure 4

JC73 OFFICE
JUL 12 2004
PATENT & TRADEMARK

REPLACEMENT SHEET

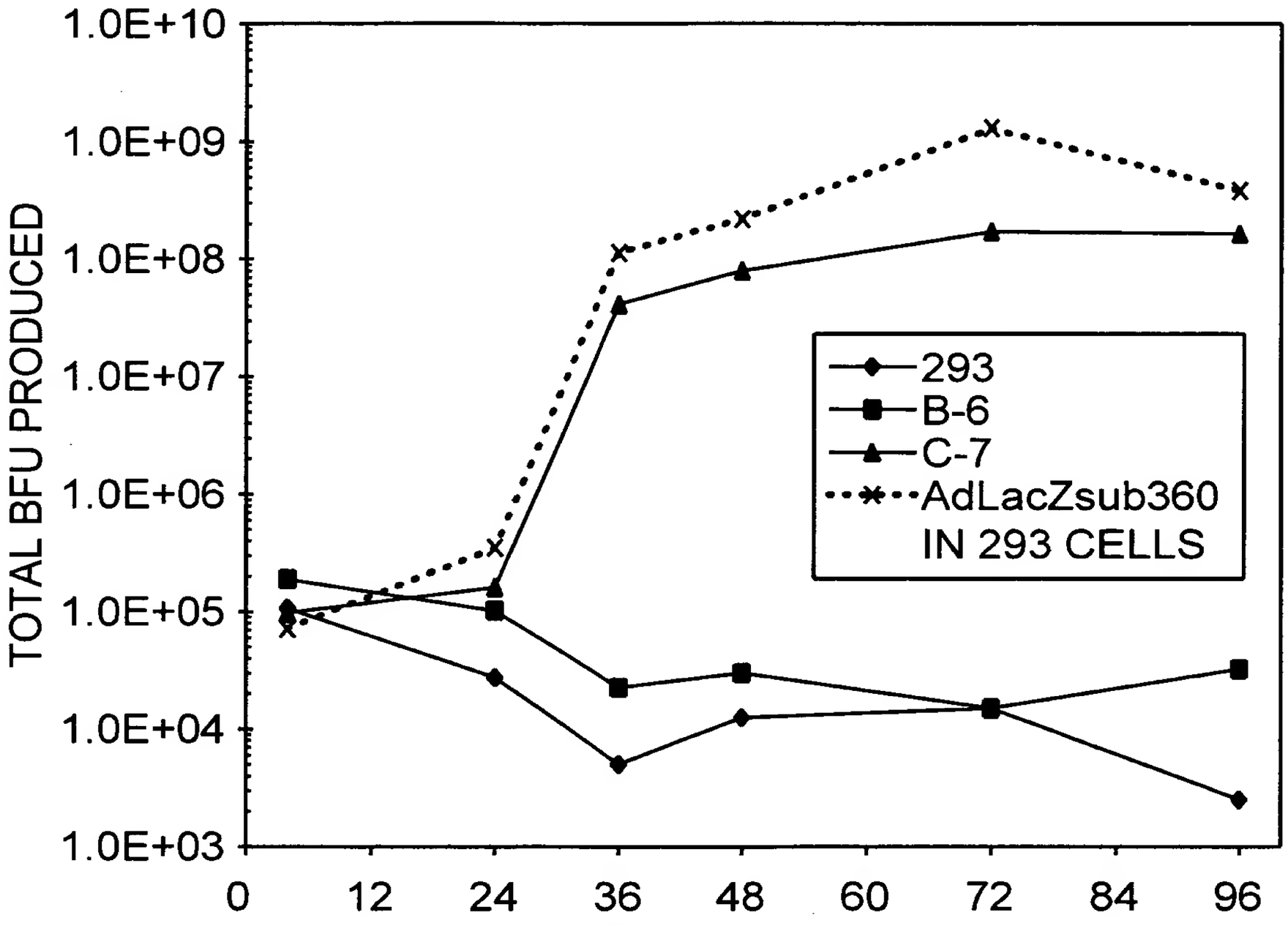


FIG. 5

OIPE JC73
JUL 12 2004
PATENT & TRADEMARK OFFICE

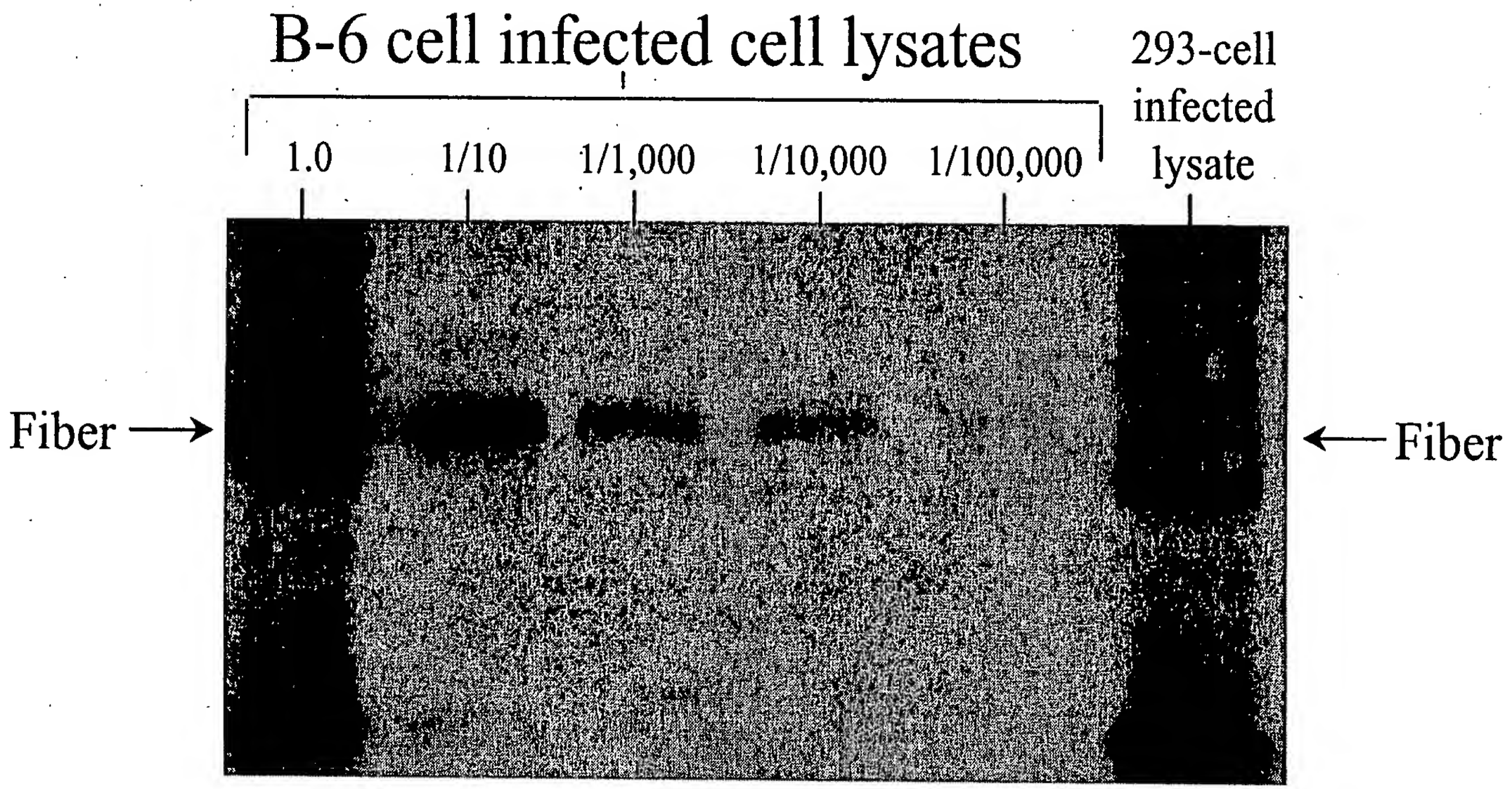


Figure 6

OIPE JC73 JUL 12 2004 PATENT & TRADEMARK OFFICE

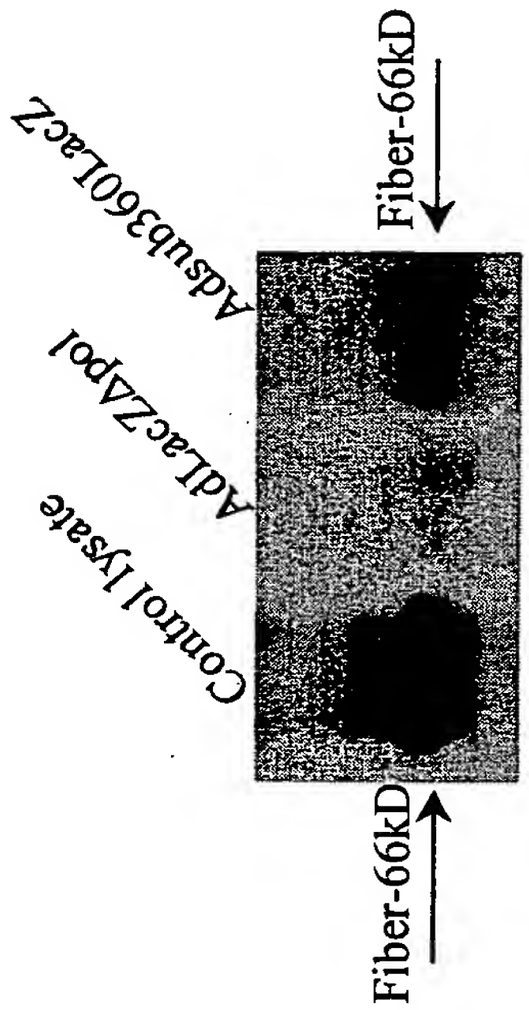


Figure 7

OIPE JC73
JUL 12 2004
PATENT & TRADEMARK OFFICE

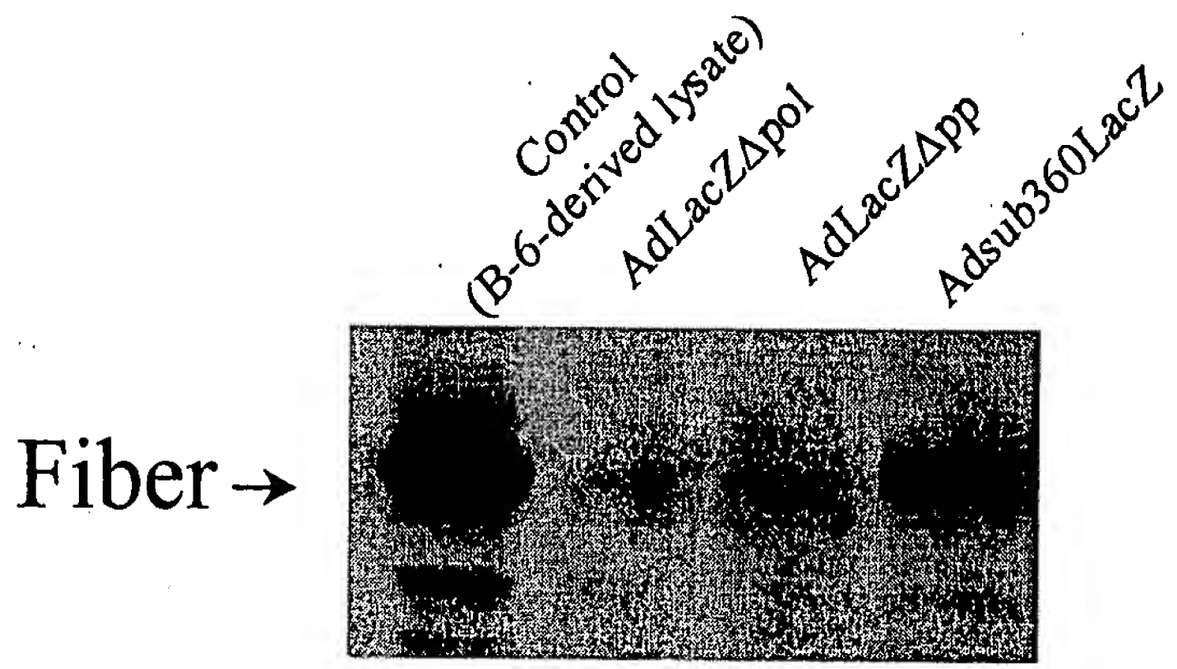
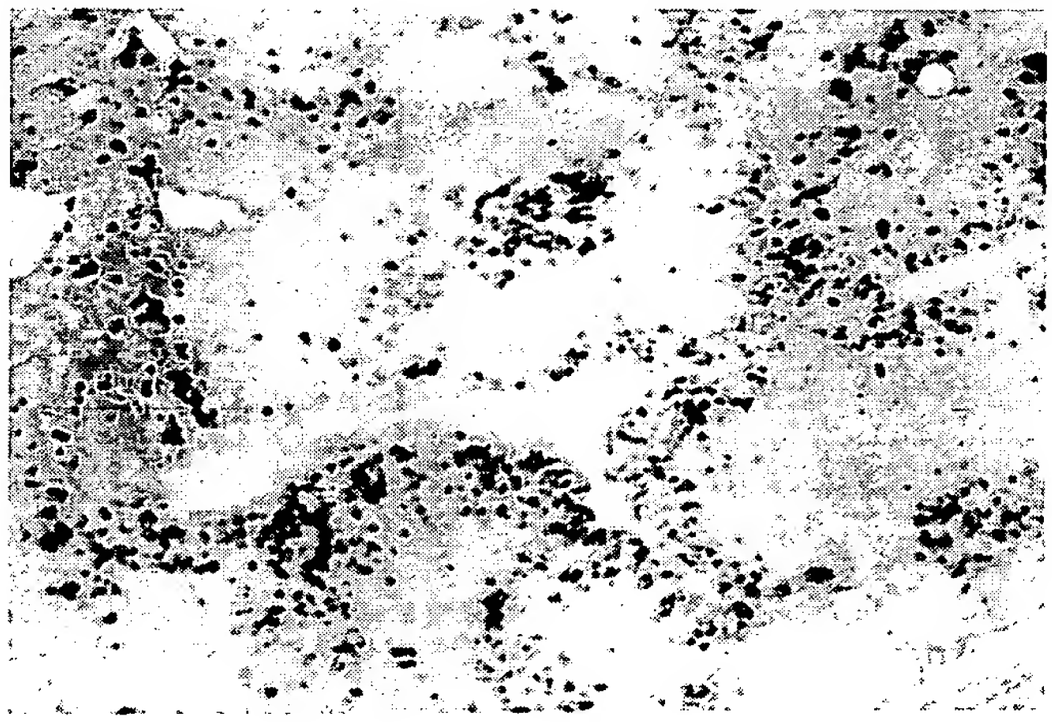


Figure 8

OIPE JC73 JUL 12 2004 PATENT & TRADEMARK OFFICE

REPLACEMENT SHEET

A.



B.

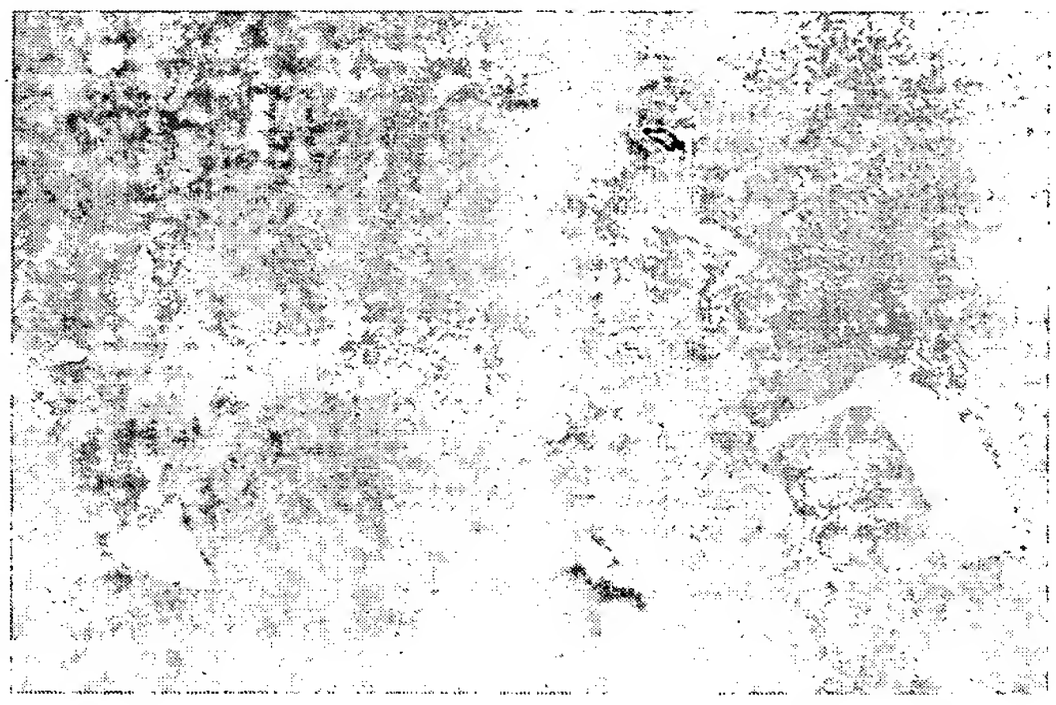


FIG. 9

OIPE JC73 JUL 12 2004 PATENT & TRADEMARK OFFICE

REPLACEMENT SHEET

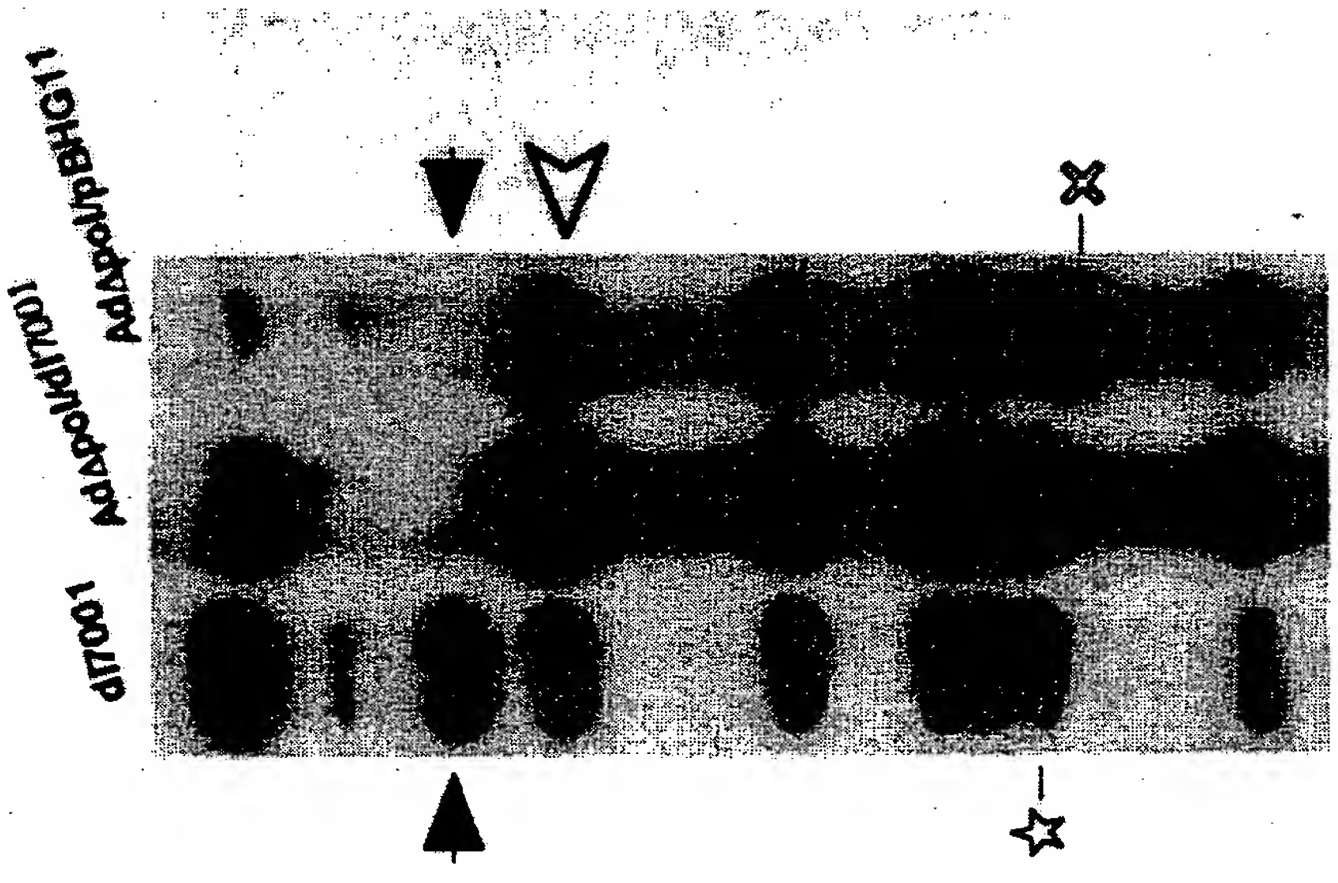


Figure 10

OIPE JC73 JUL 12 2004 PATENT & TRADEMARK OFFICE

REPLACEMENT SHEET

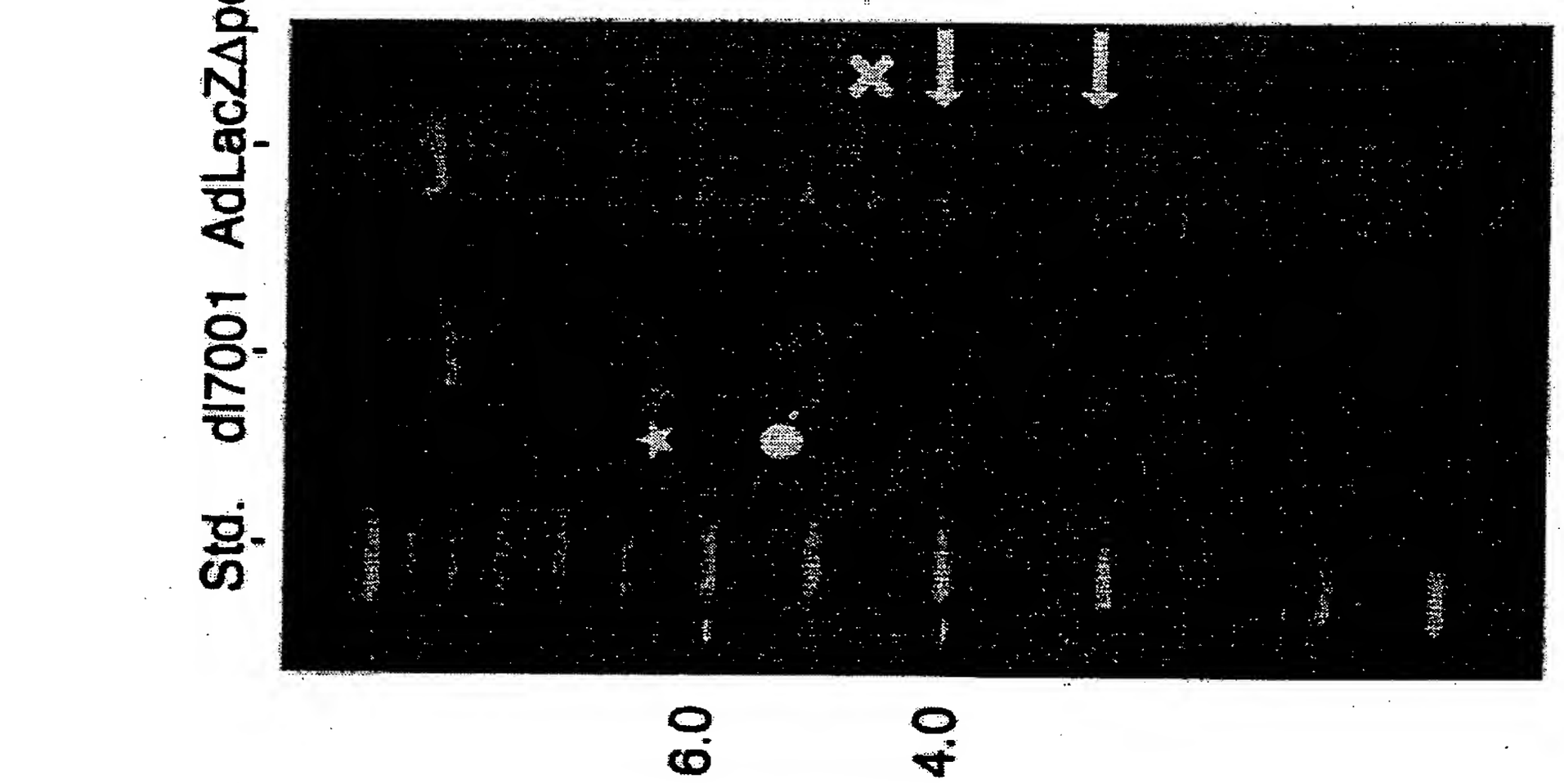


Figure 11

JC73 OFFICE
JUL 12 2004
PATENT & TRADEMARK

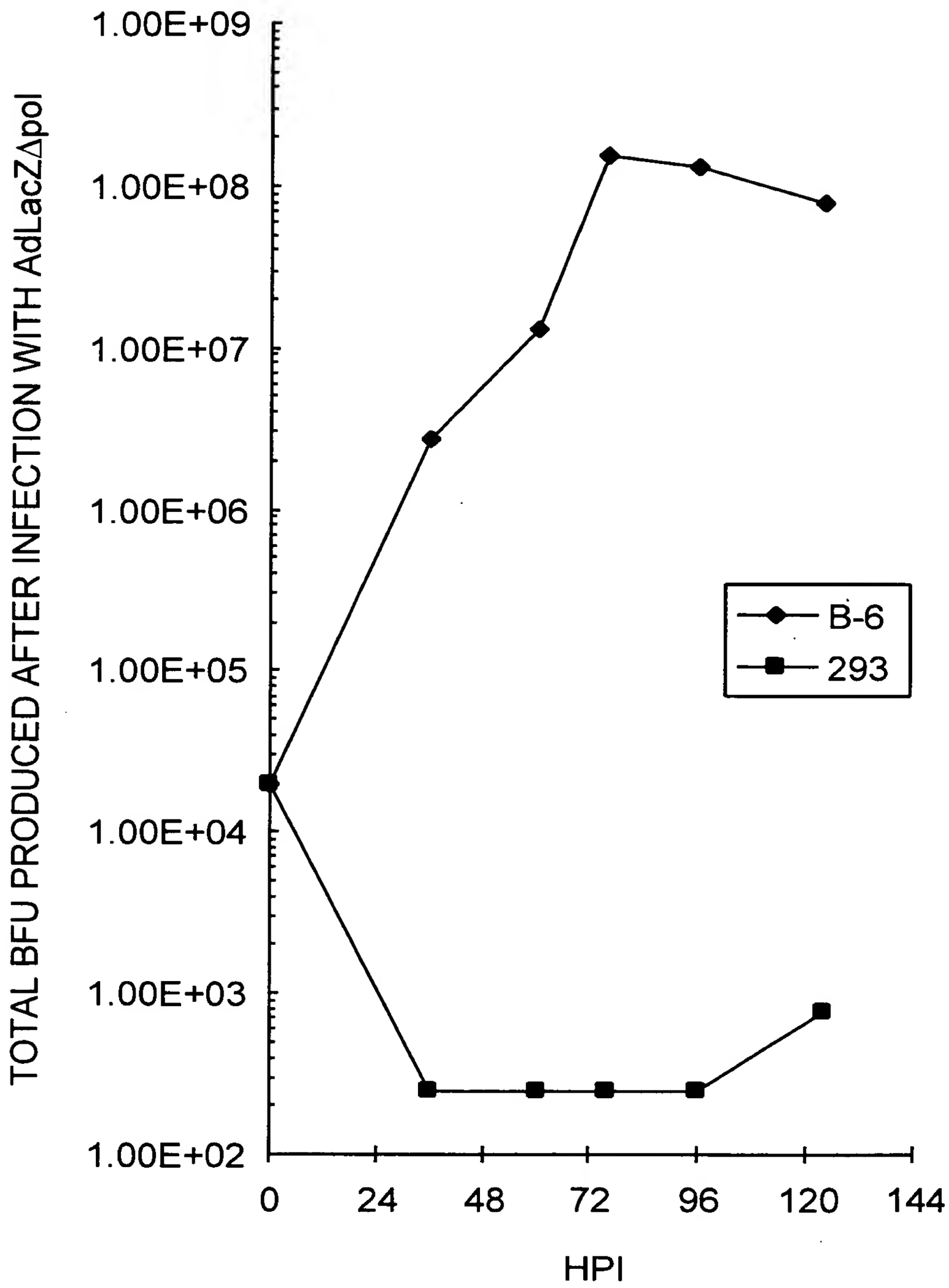
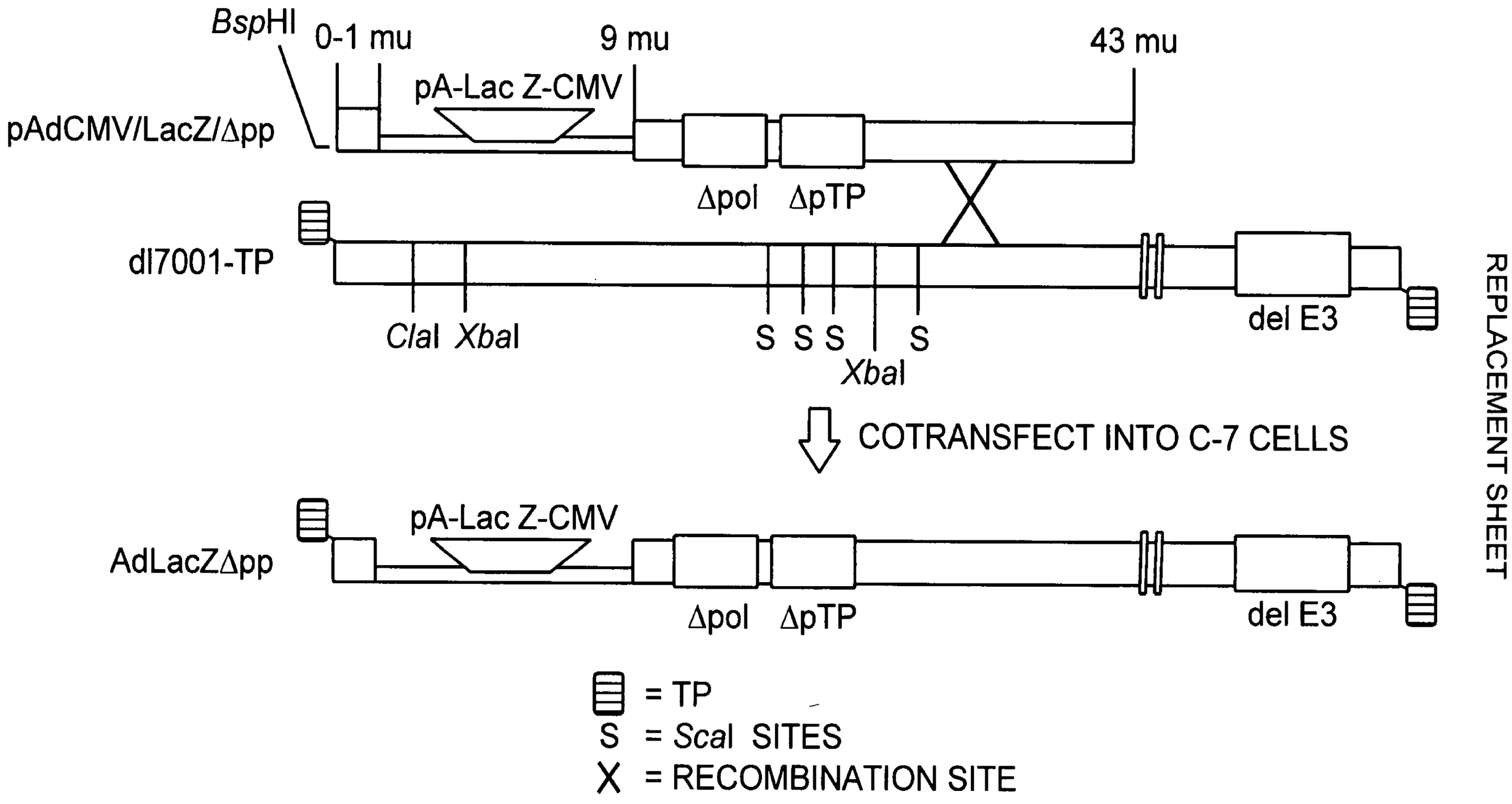


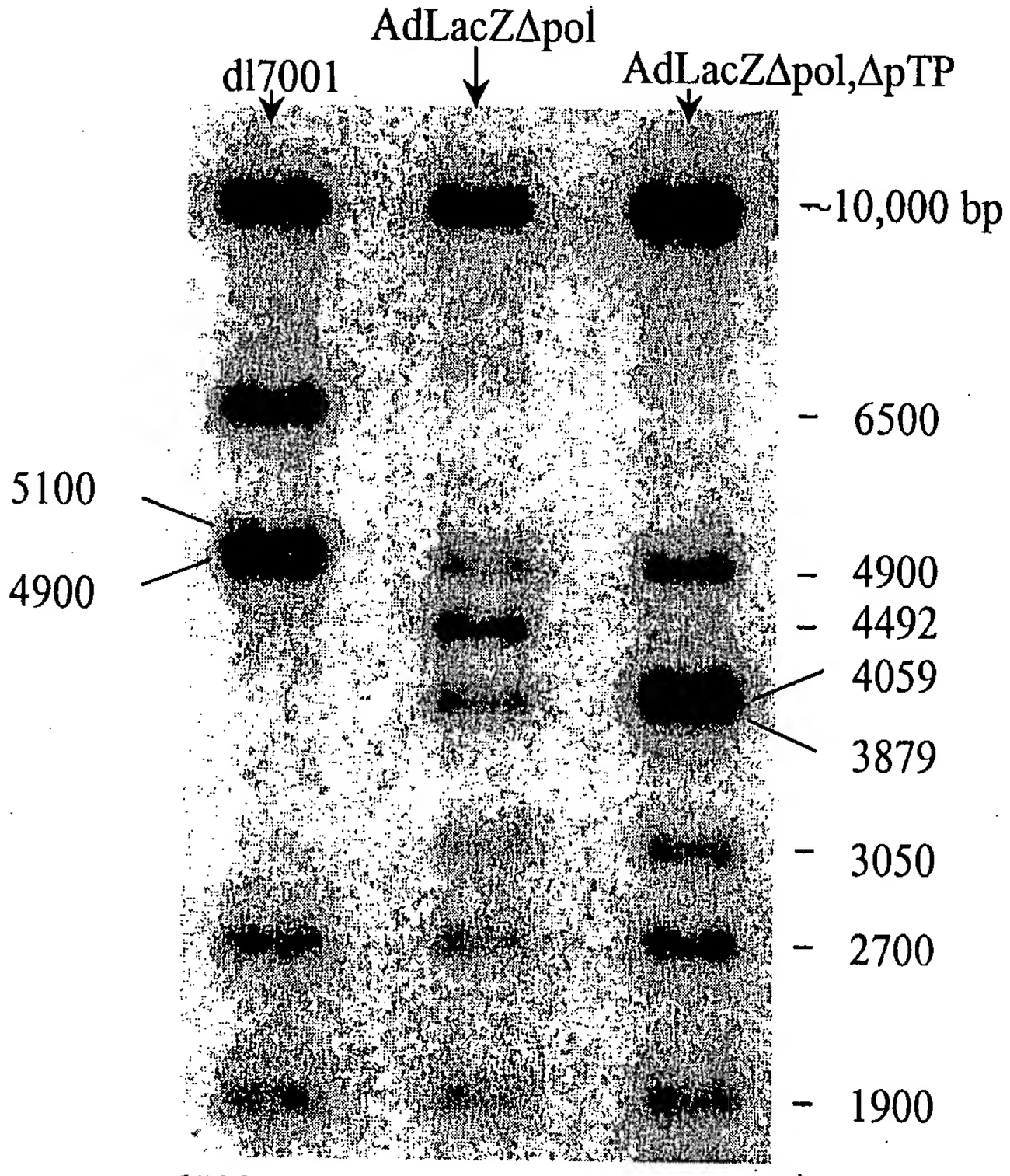
FIG. 12

OIPE
JUL 12 2004
PATENT & TRADEMARK OFFICE



REPLACEMENT SHEET

FIG. 13



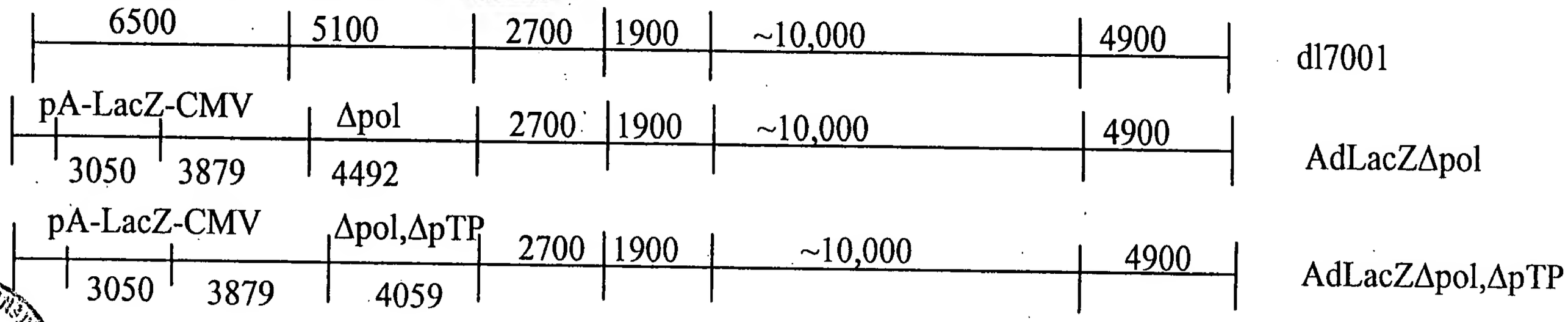


Figure 14

REPLACEMENT SHEET

PATENT & TRADEMARK OFFICE JUL 12 2004

OIPE JC73
JUL 12 2004
PATENT & TRADEMARK OFFICE

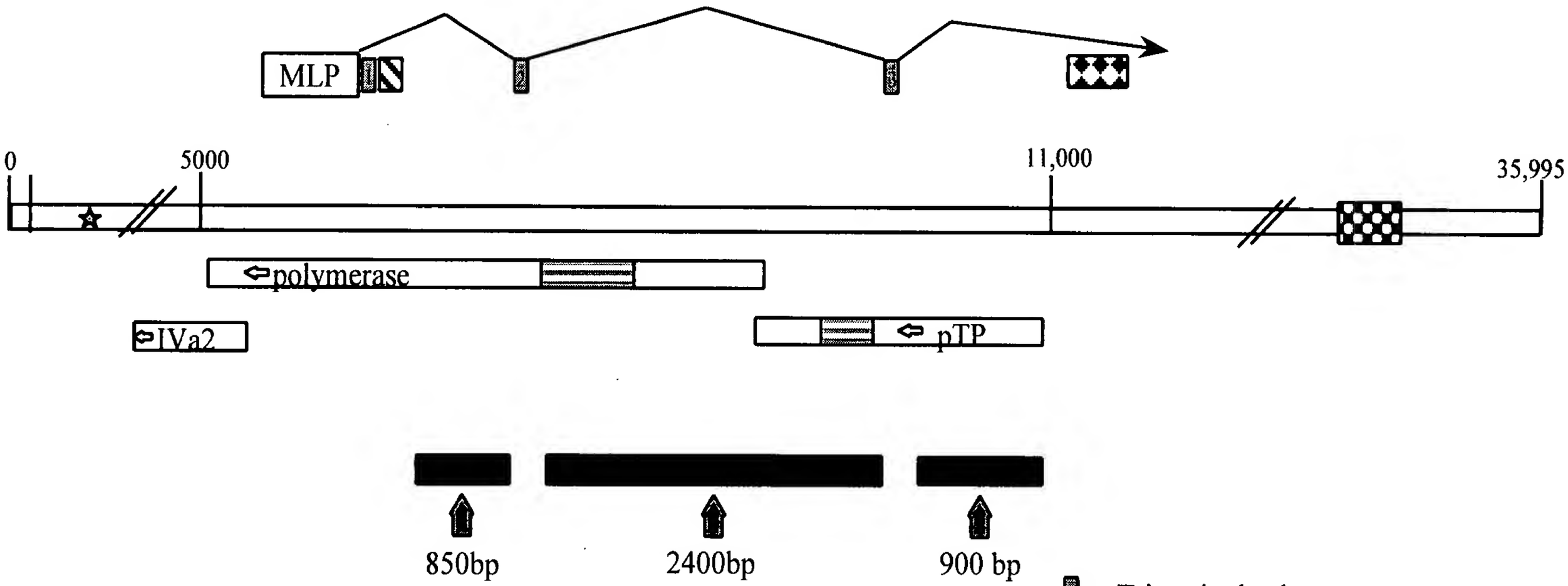


Figure 15

REPLACEMENT SHEET

OIPE JC73
JUL 12 2004
PATENT & TRADEMARK OFFICE

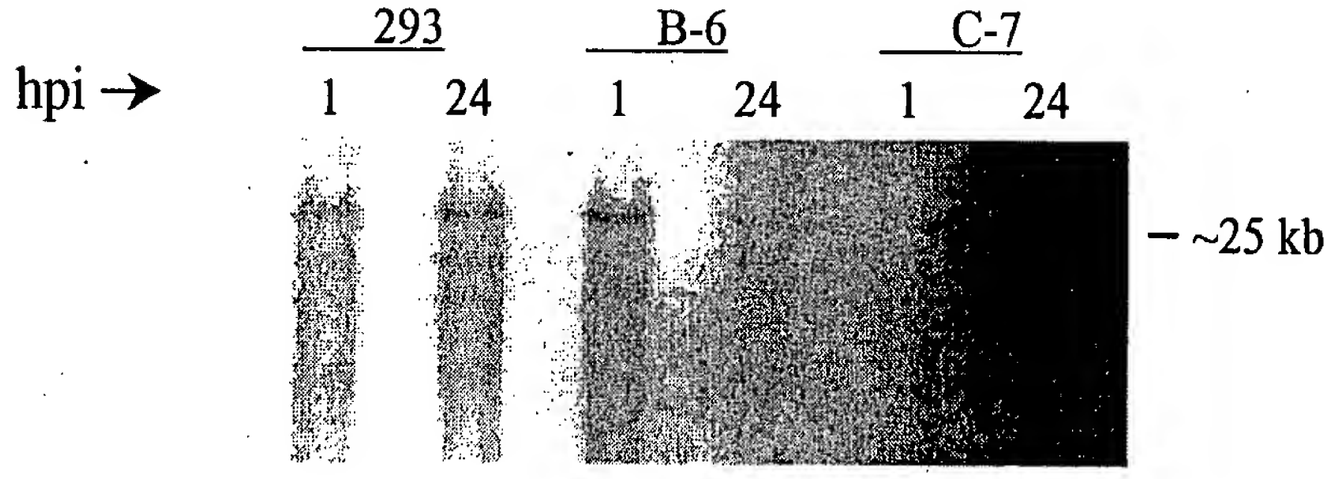


Figure 16

OIPE JC73 JUL 12 2004 PATENT & TRADEMARK OFFICE

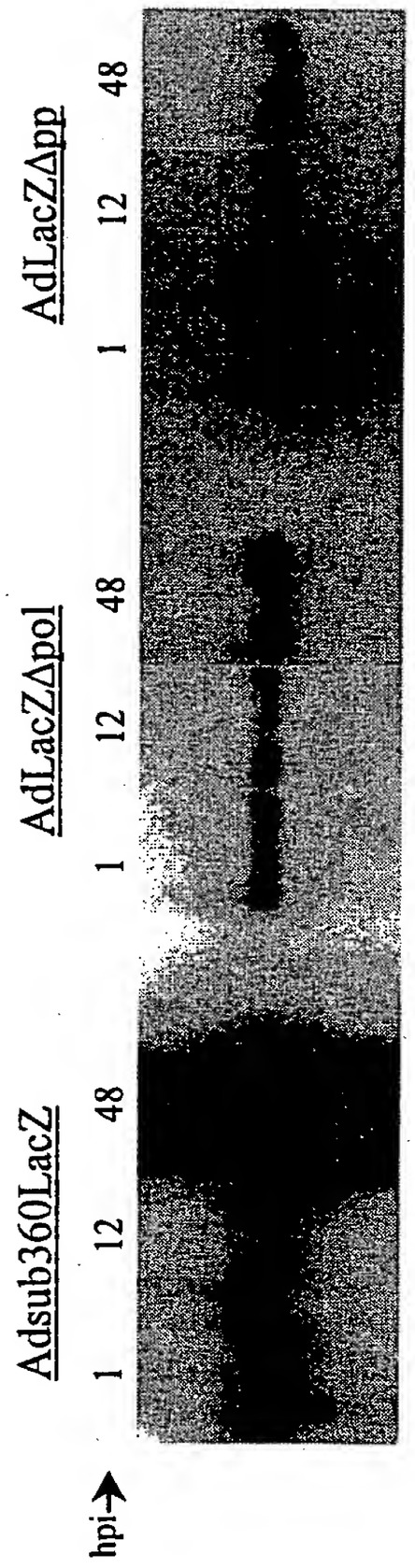
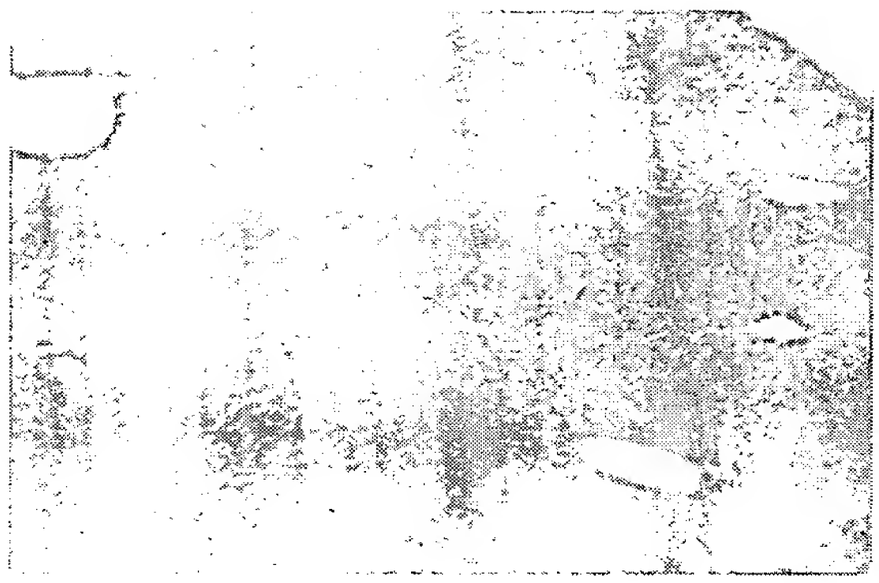


Figure 17

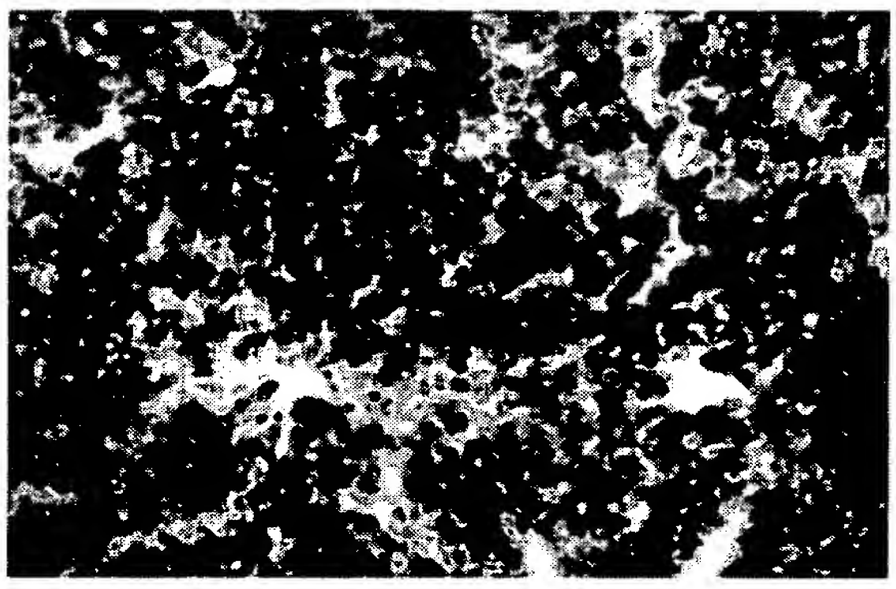
OIPE JC73 JUL 12 2004 PATENT & TRADEMARK OFFICE

REPLACEMENT SHEET

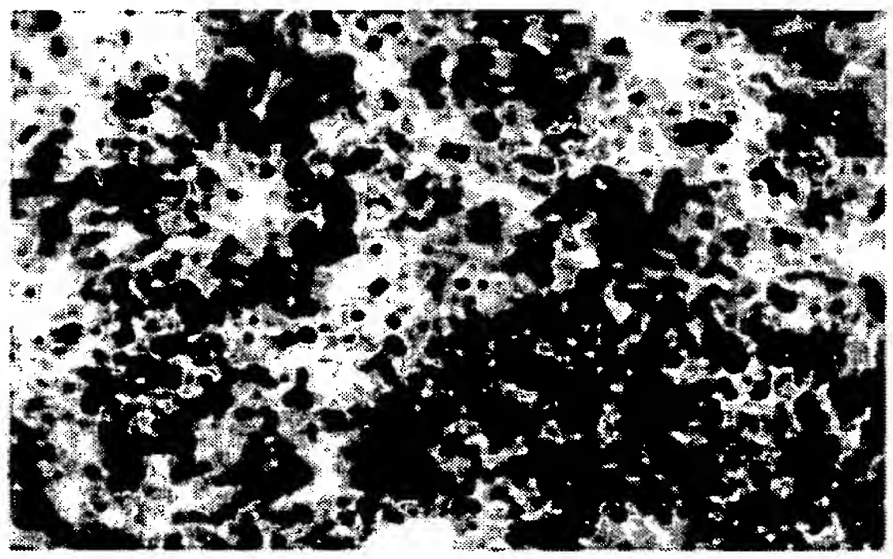
A.



B.



C.



D.

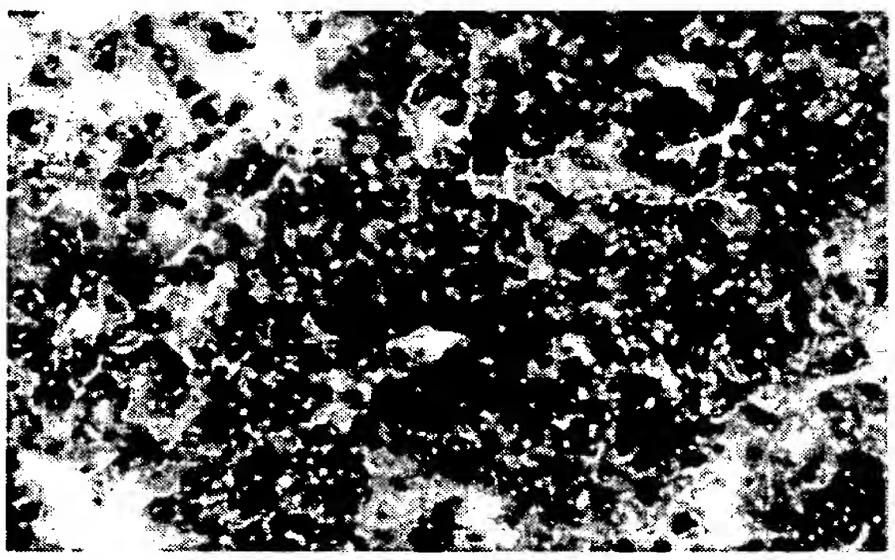


FIG. 18

OIPE
JUL 12 2004
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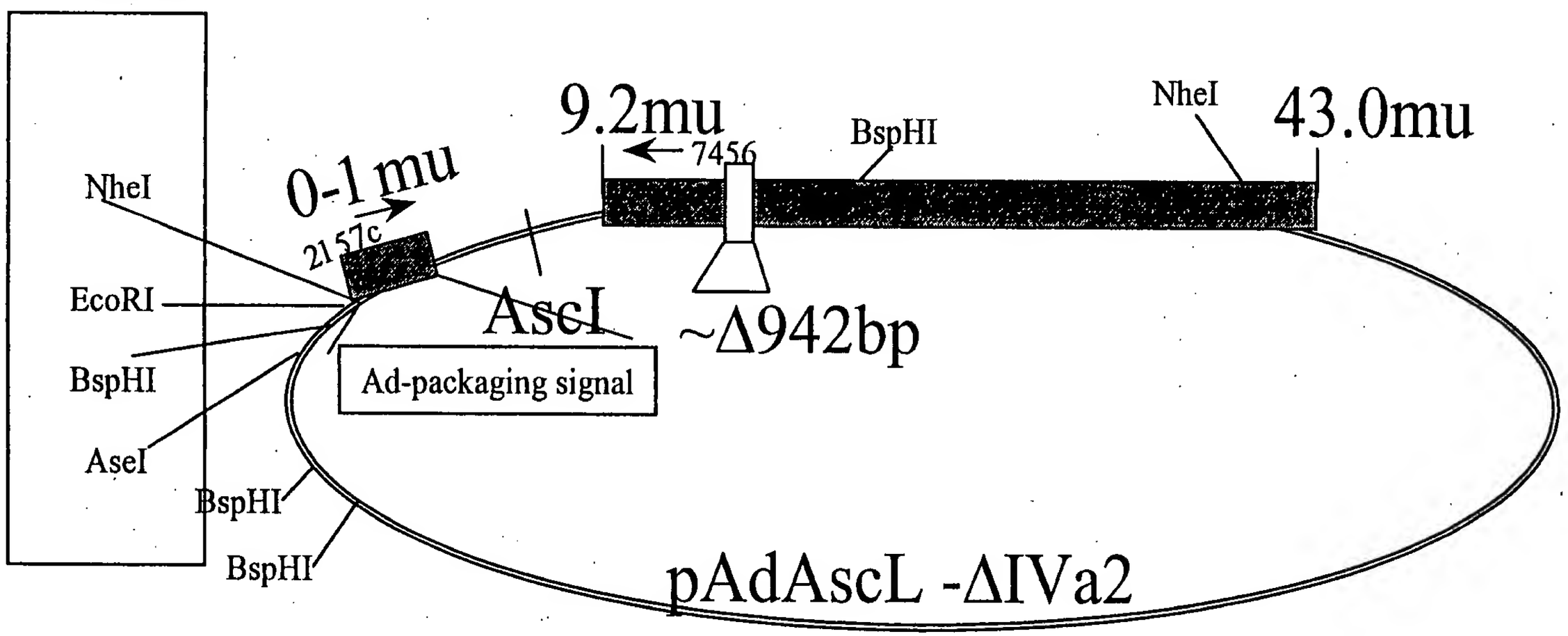
SC73

pAdAscL-ΔIVa2 shuttle plasmid(~14.2kb) Amp-Res

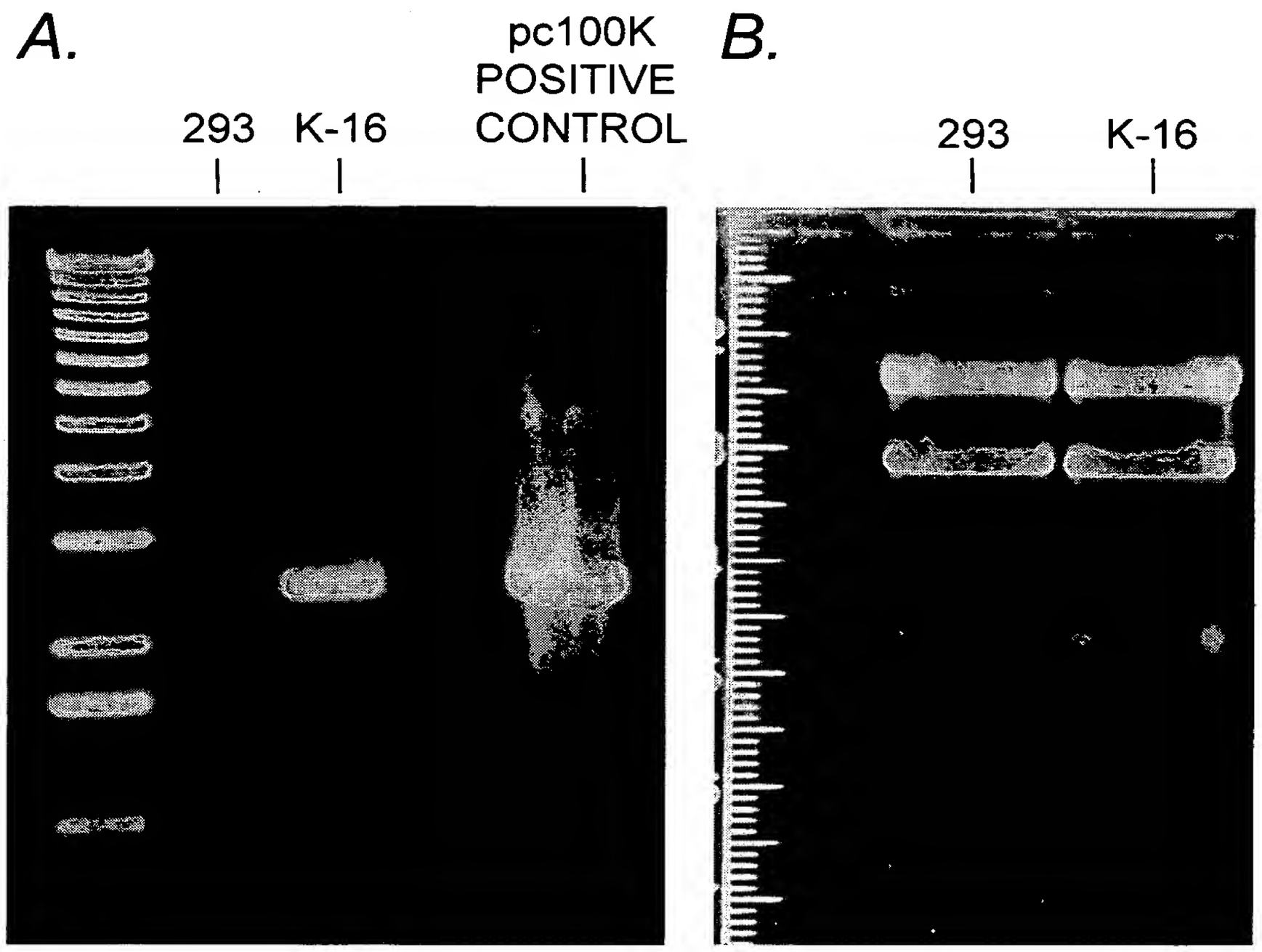


← primer site location of indicated primer

Figure 19

REPLACEMENT SHEET

OIPE JC73 JUL 12 2004 PATENT & TRADEMARK OFFICE



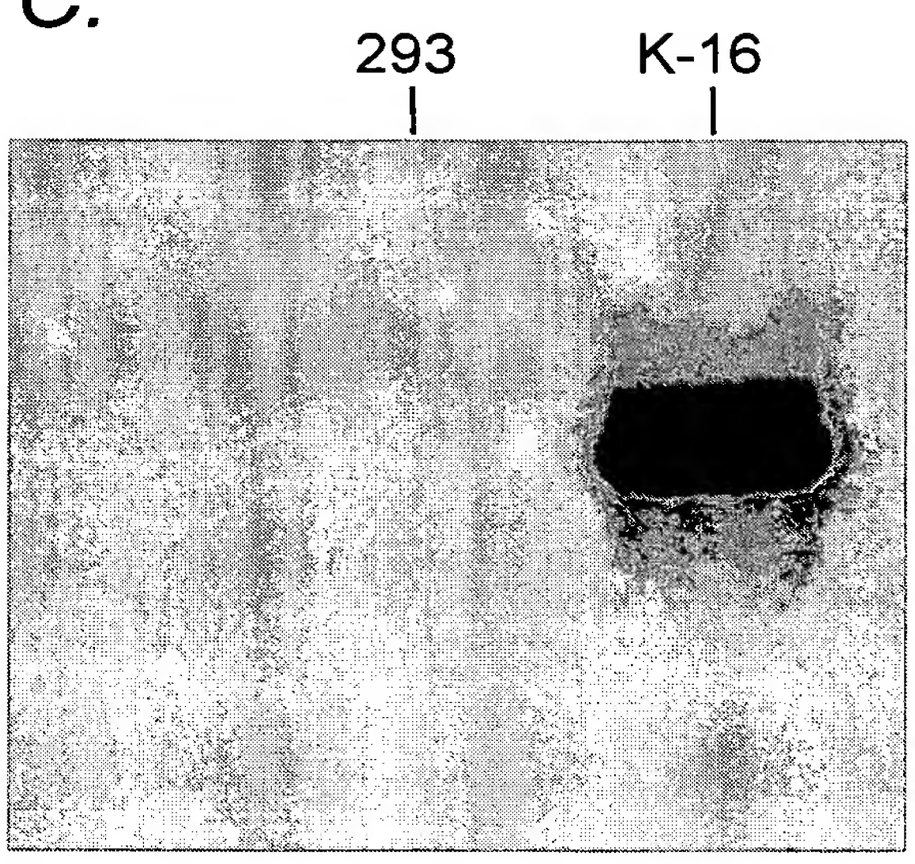
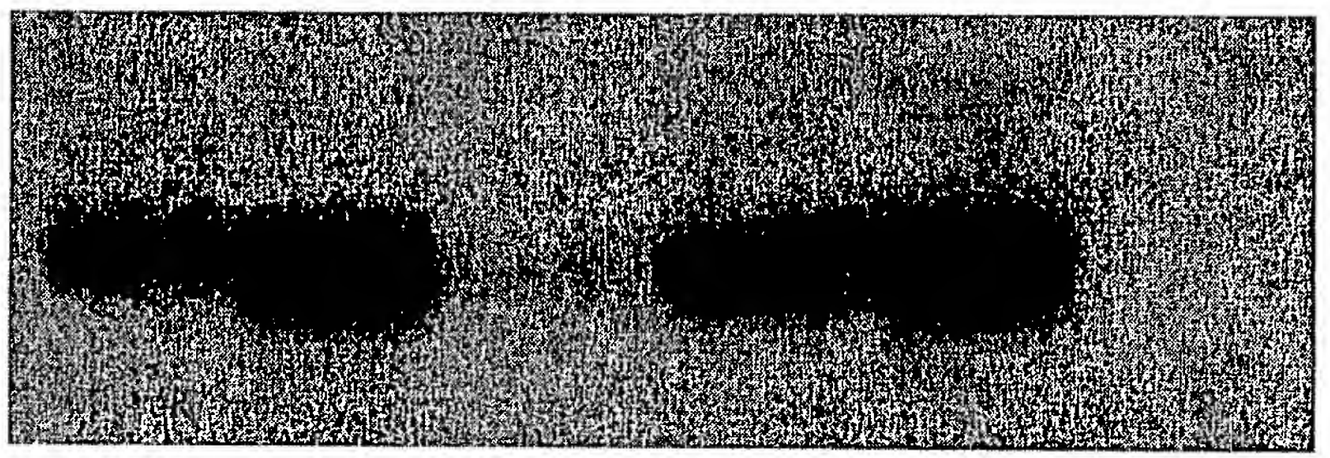


FIG. 20

OIPE
JUL 12 2004
PATENT & TRADEMARK OFFICE



E1+pol+pTP+IVa2+100K= Lanes 1-4

E1+100K=Lane 5

E1= Lane 6

Figure 21

OIPE JC73
JUL 12 2004
PATENT & TRADEMARK OFFICE

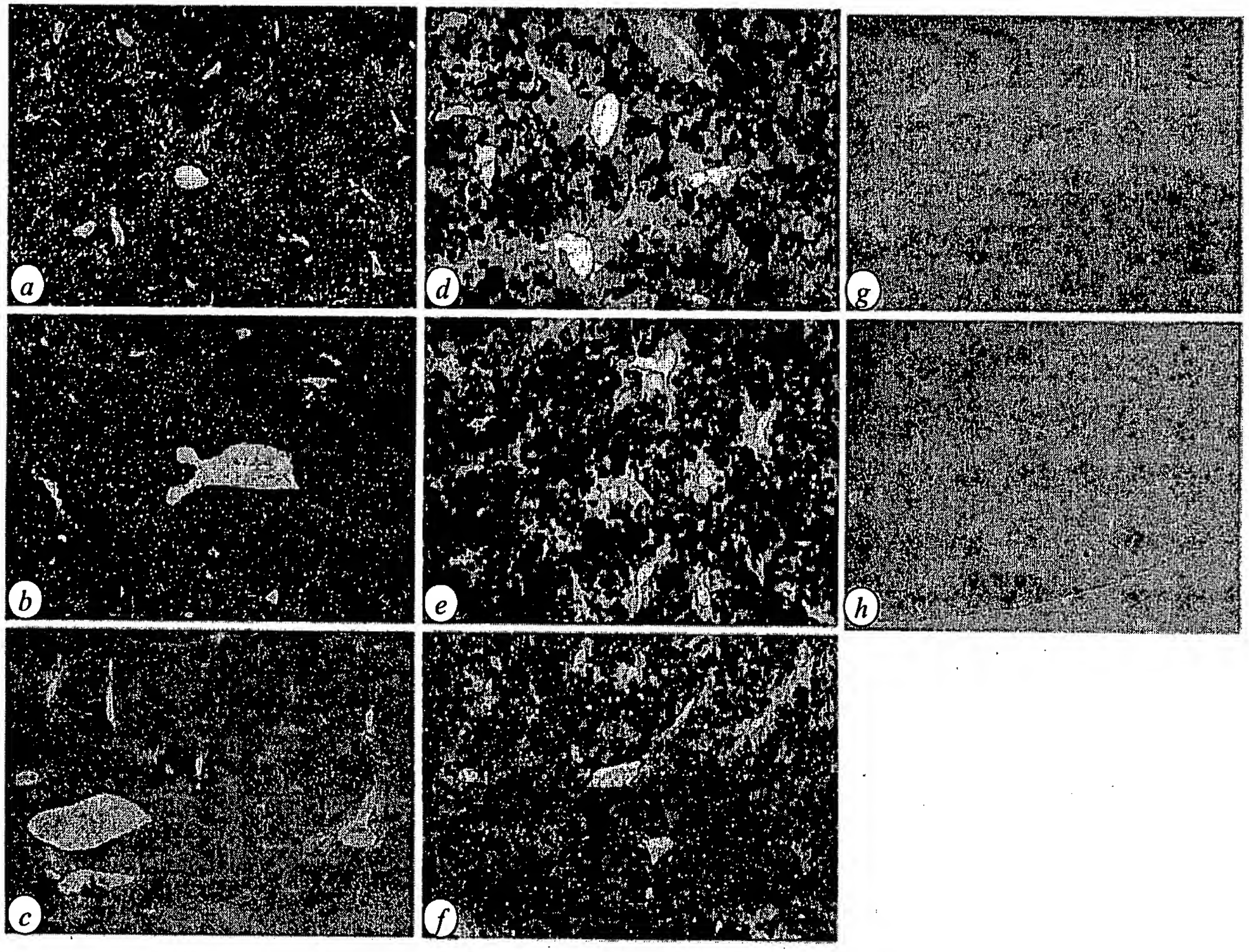


Figure 22

REPLACEMENT SHEET

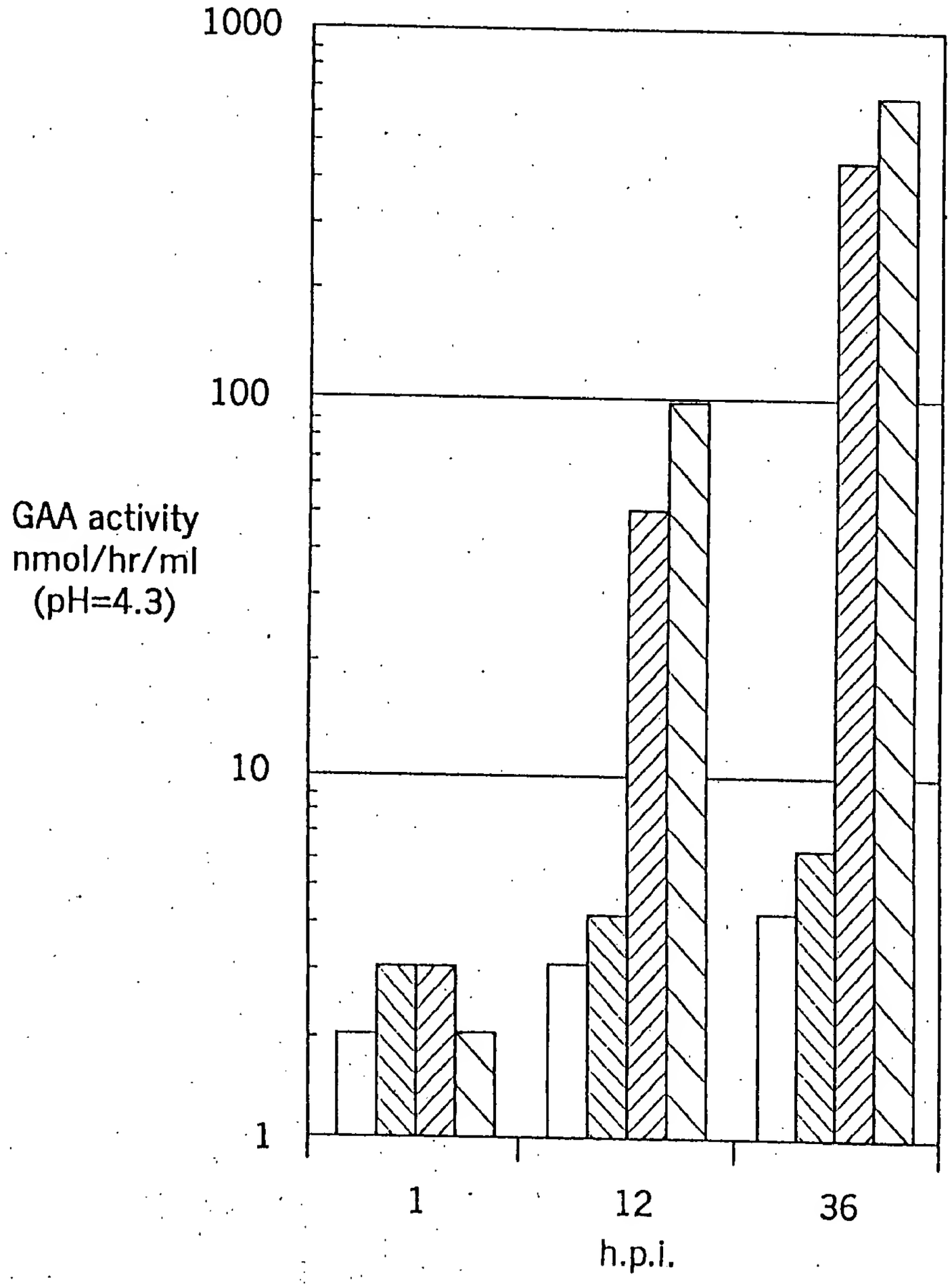


FIG. 23

PATENT & TRADEMARK OFFICE
JUL 12 2004

OIPE JC73
JUL 12 2004
PATENT & TRADEMARK OFFICE

REPLACEMENT SHEET

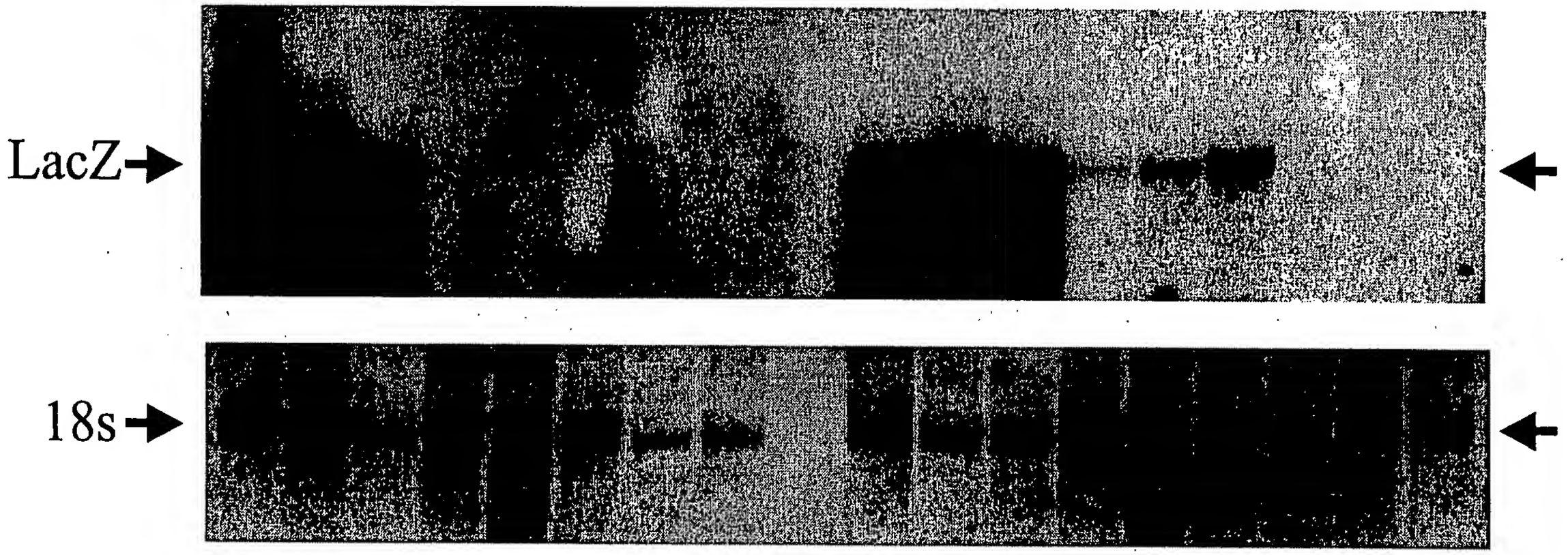


Figure 24

OIPE JC73 JUL 12 2004 PATENT & TRADEMARK OFFICE

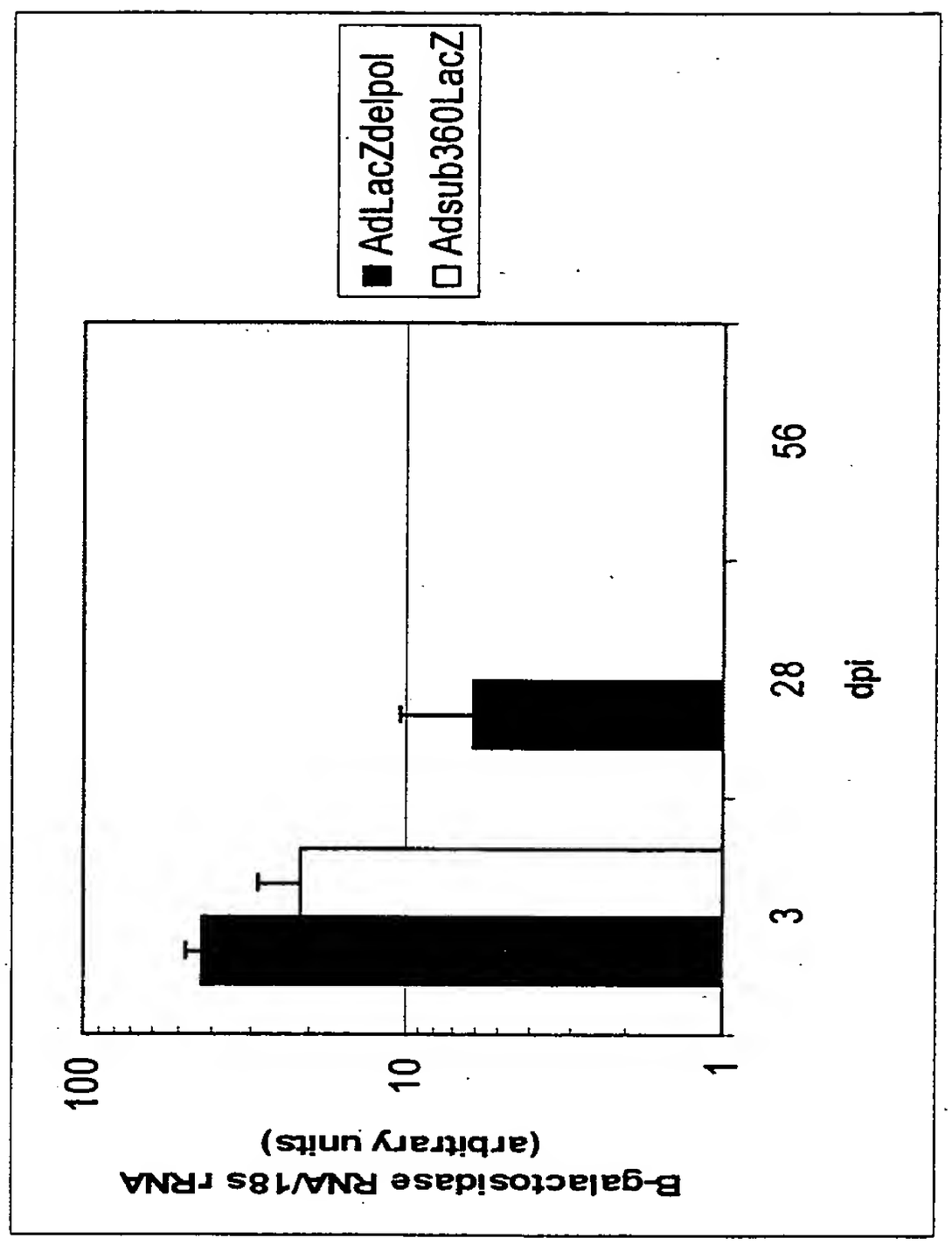


Figure 25

OIPE
JUL 12 2004
PATENT & TRADEMARK OFFICE
JC73

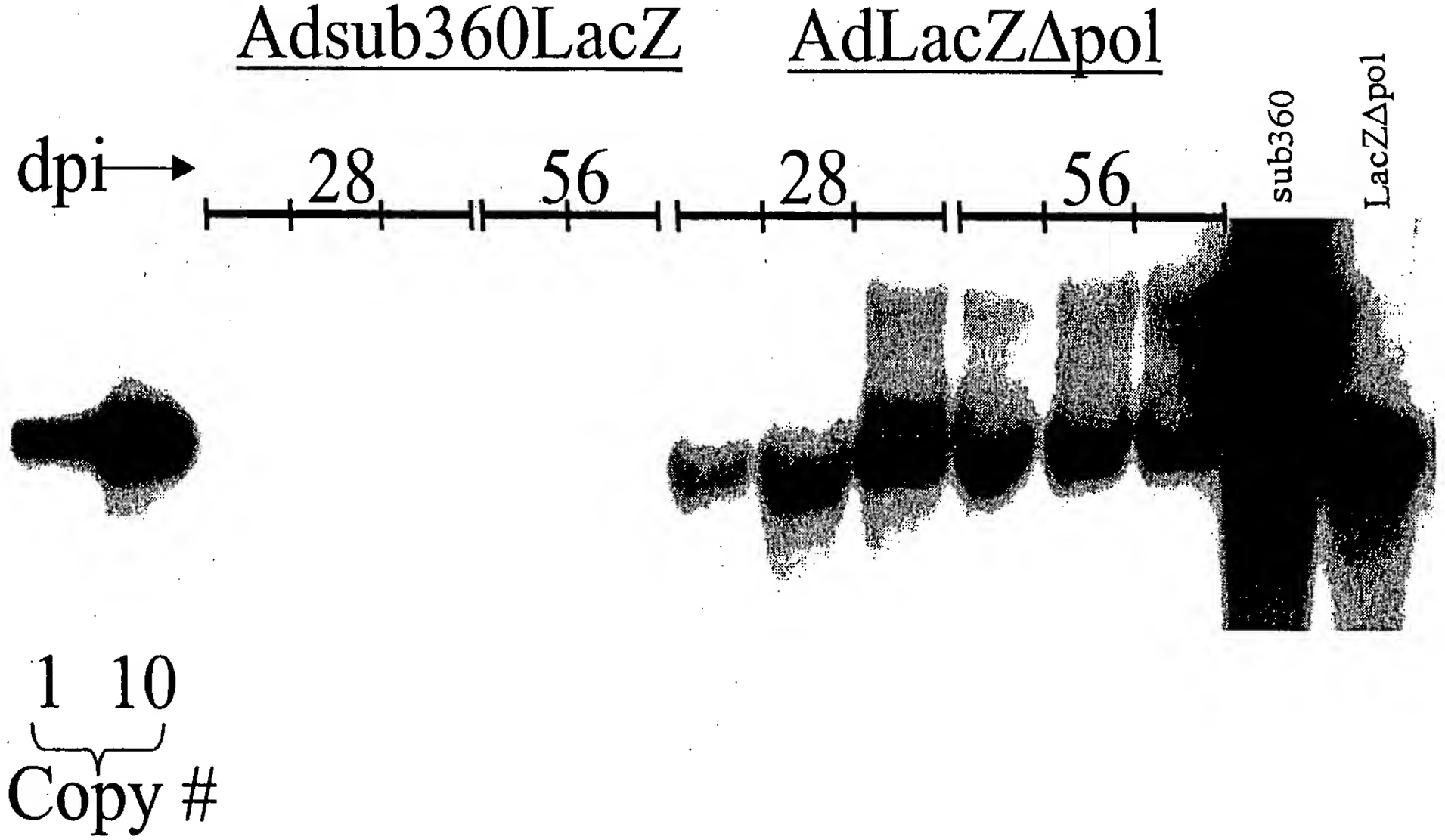


Figure 26

OIPE JC73 JUL 12 2004 PATENT & TRADEMARK OFFICE

REPLACEMENT SHEET

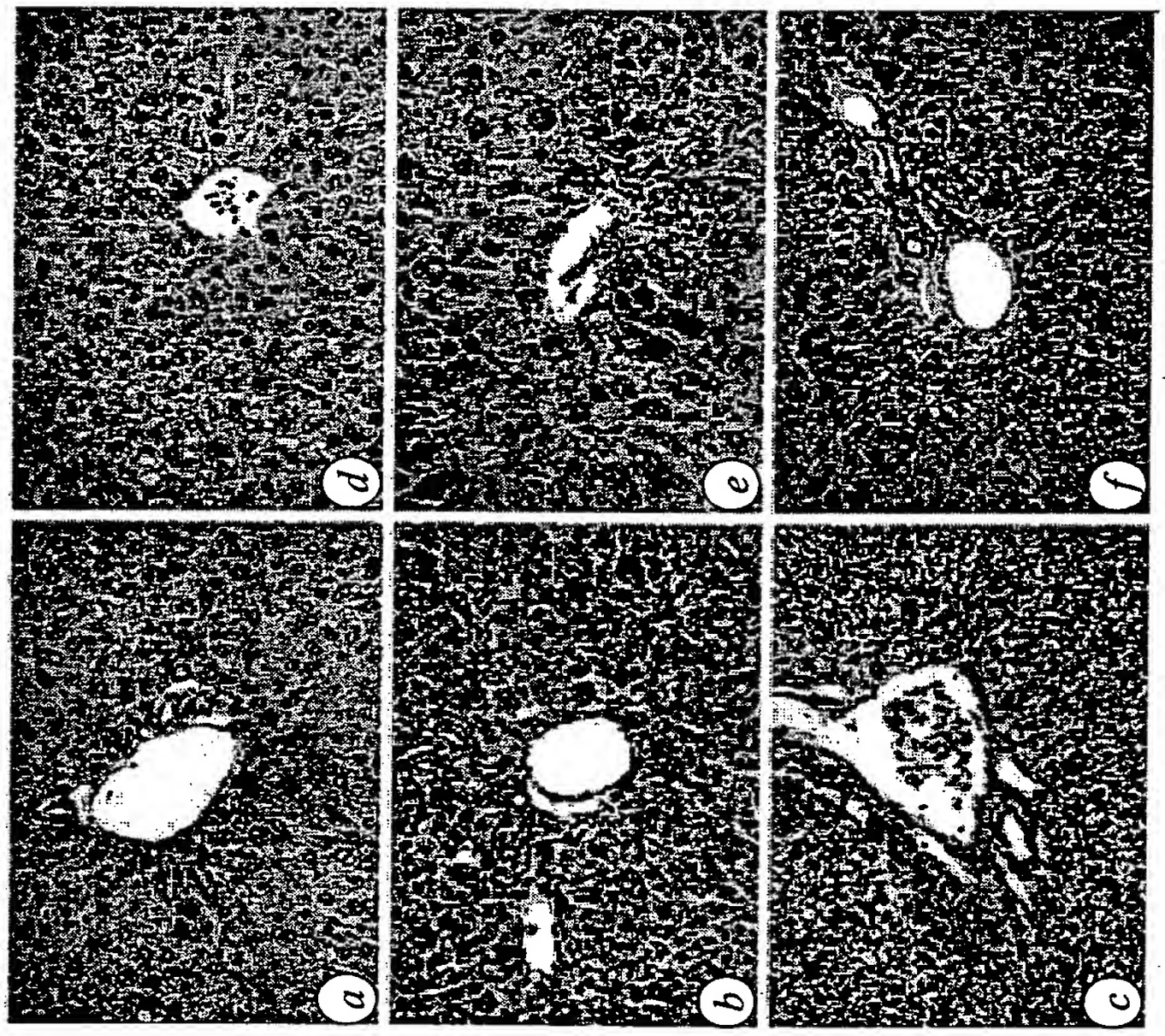


Figure 27

OIPE JC73 JUL 12 2004 PATENT & TRADEMARK OFFICE

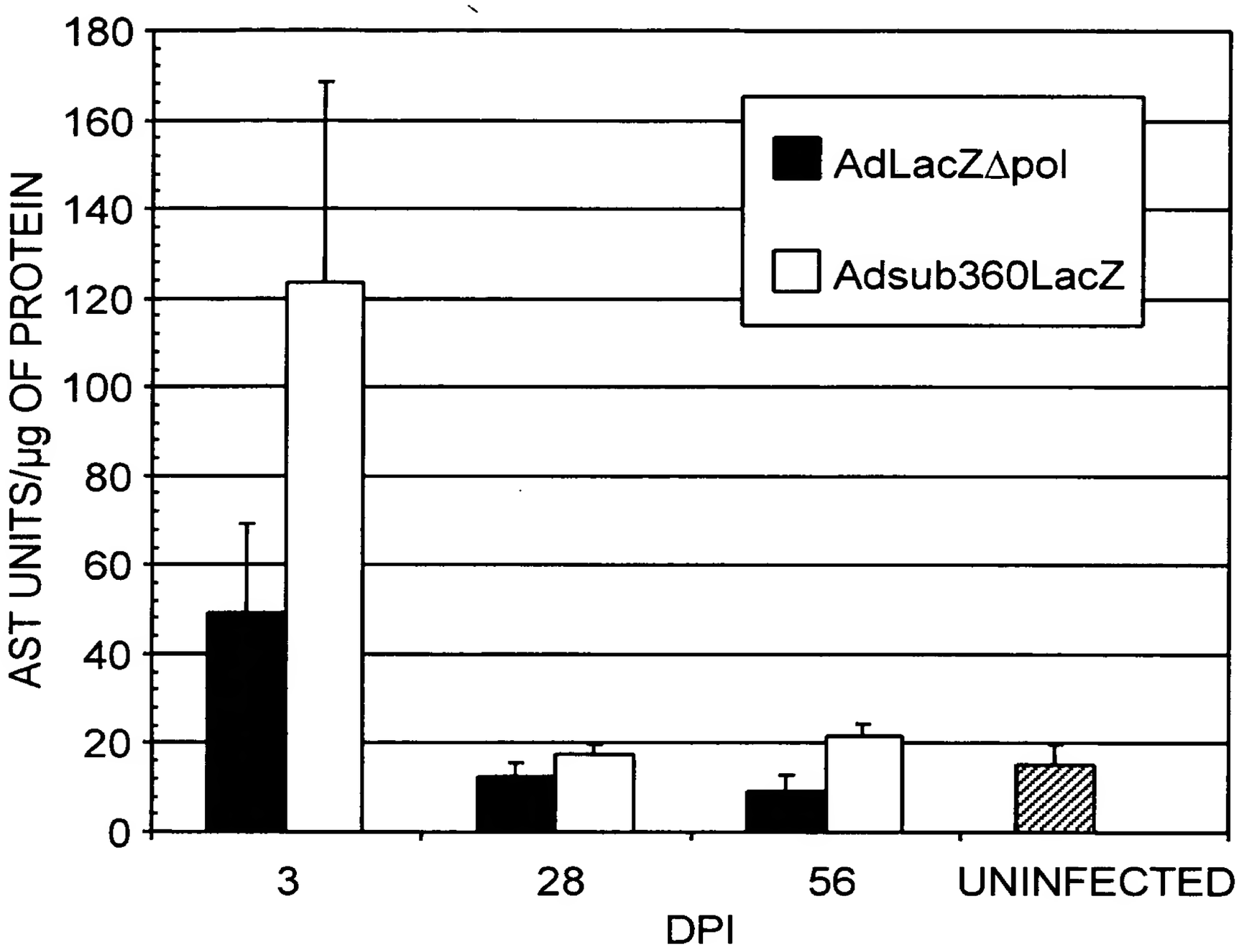


FIG. 28

OIPE
JUL 12 2004
PATENT & TRADEMARK OFFICE

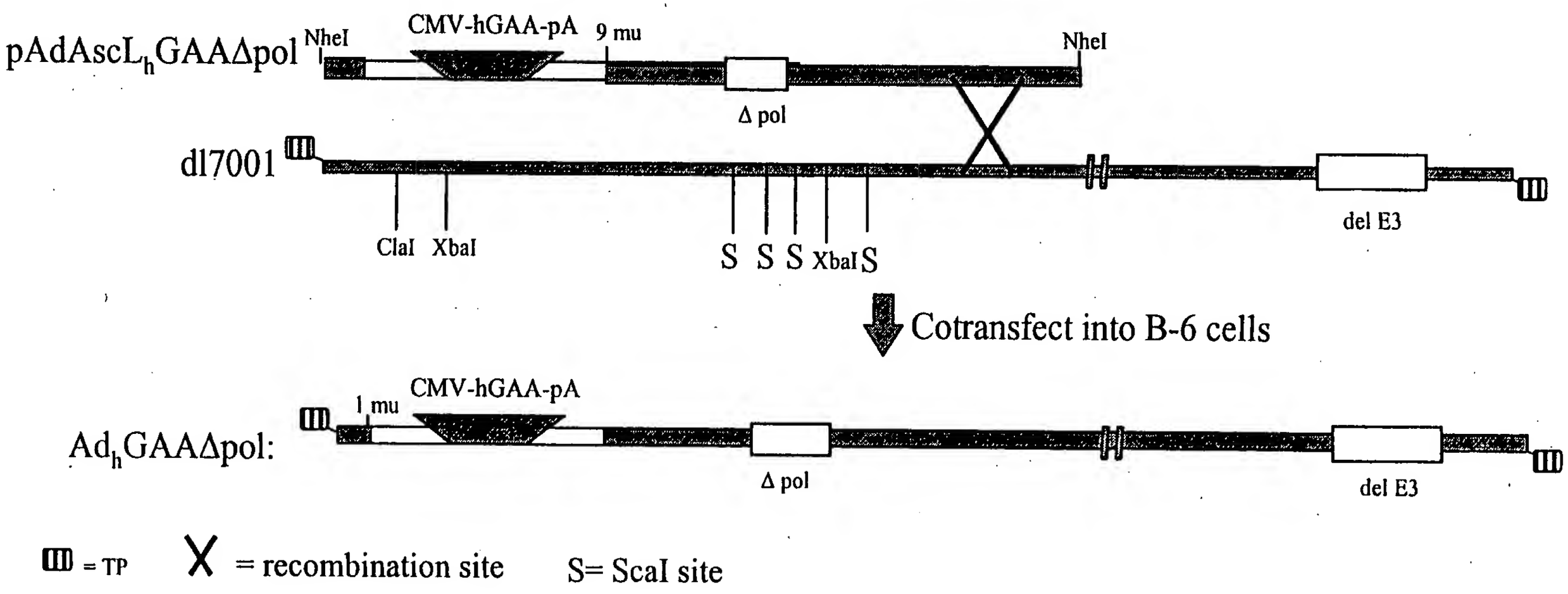


Figure 29

REPLACEMENT SHEET

OIPE JC73 JUL 12 2004 PATENT & TRADEMARK OFFICE

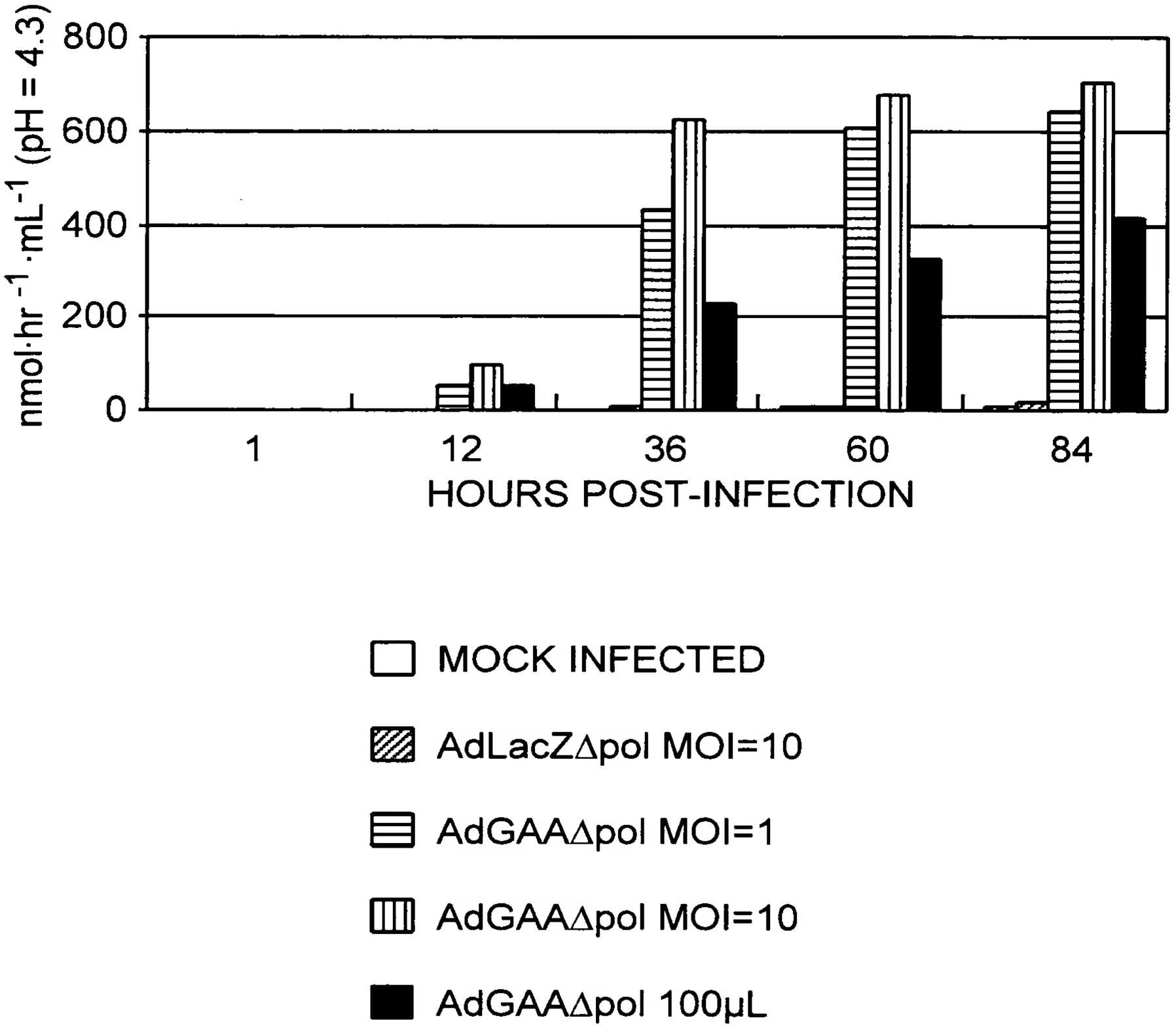


FIG. 30

OIPE JC73 JUL 12 2004 PATENT & TRADEMARK OFFICE

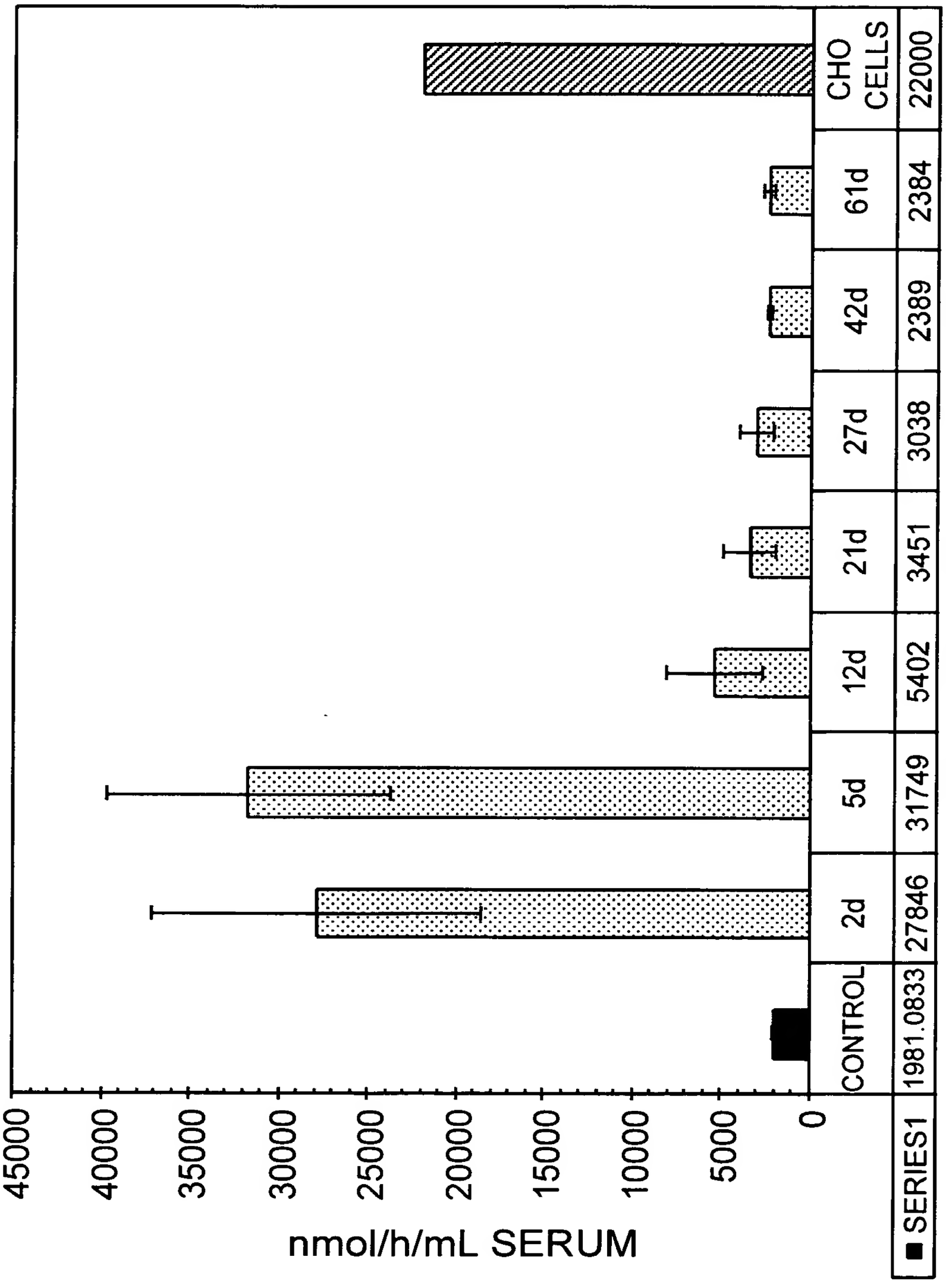


FIG. 31

OIPE JC13
JUL 12 2004
PATENT & TRADEMARK OFFICE

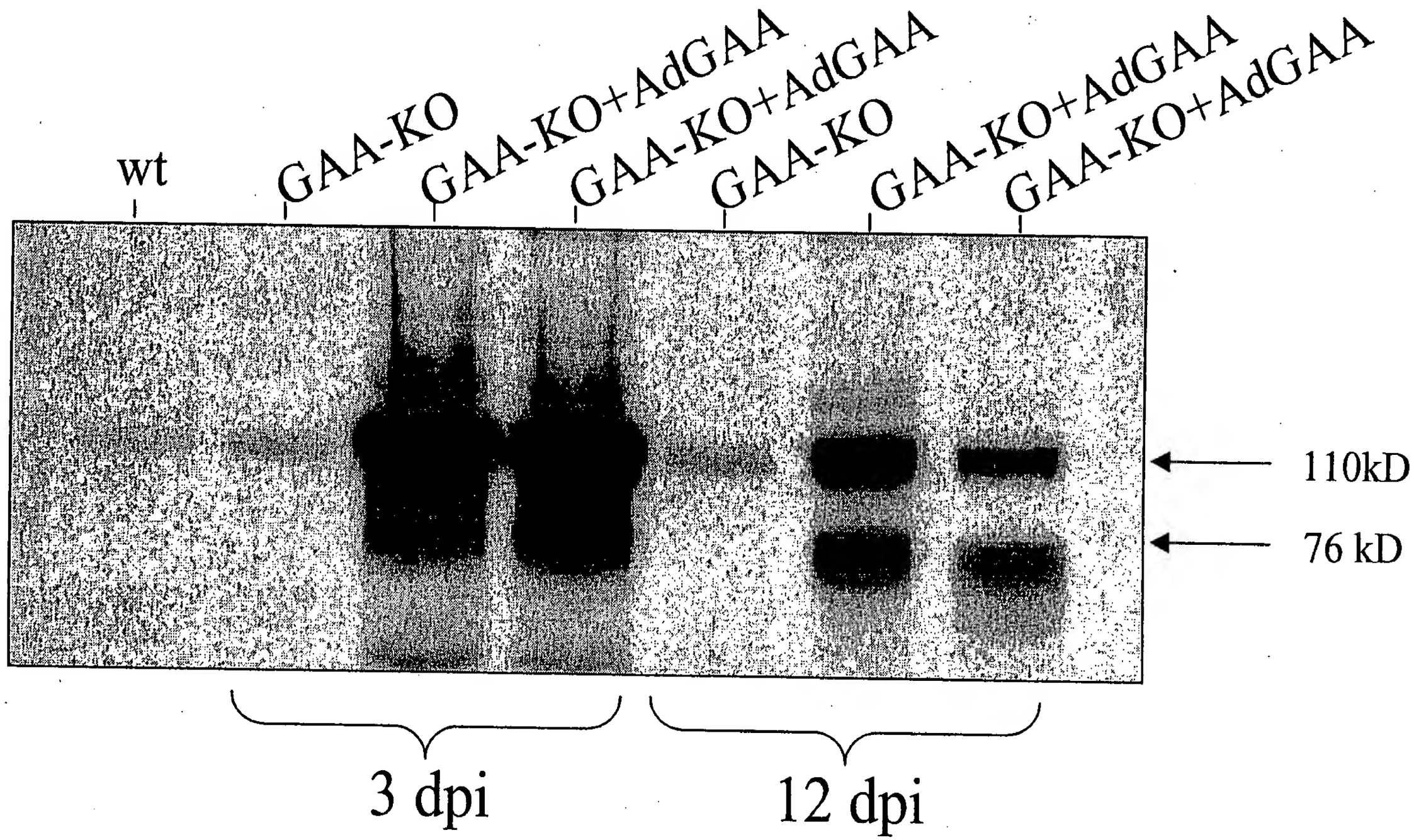


Figure 32

OIPE JC73
JUL 12 2004
PATENT & TRADEMARK OFFICE

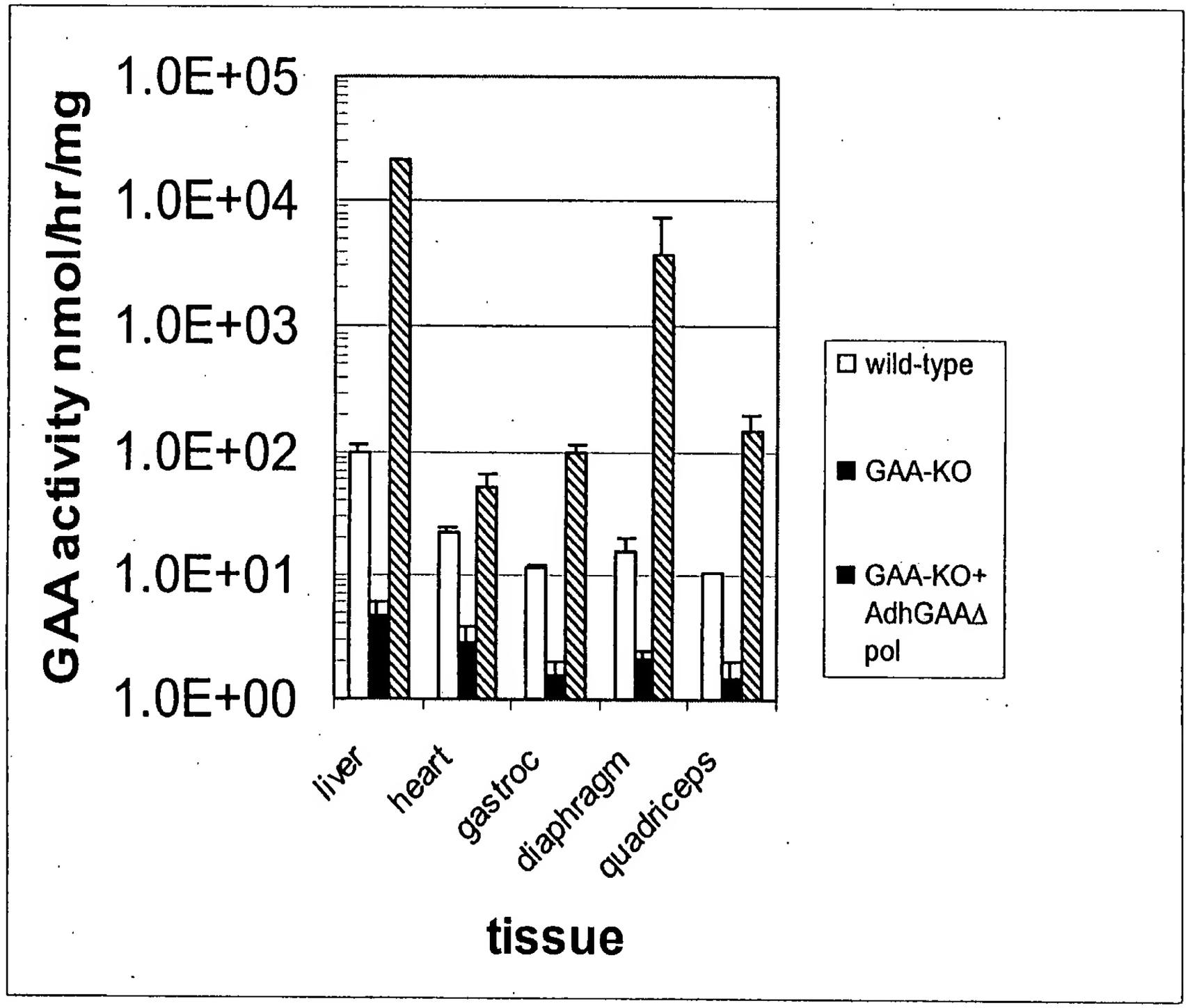


Figure 33

OIPE JC73
JUL 12 2004
PATENT & TRADEMARK OFFICE

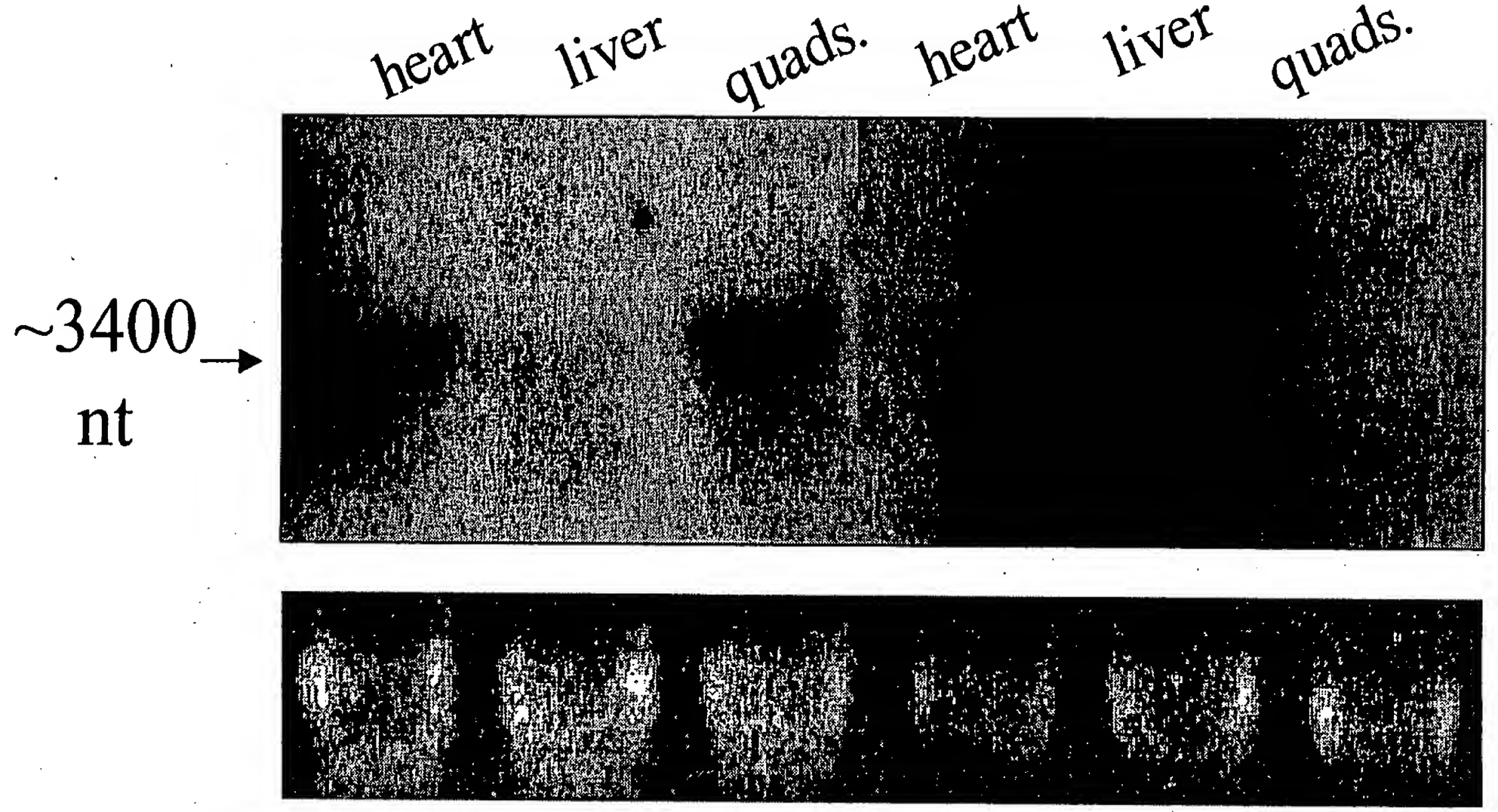
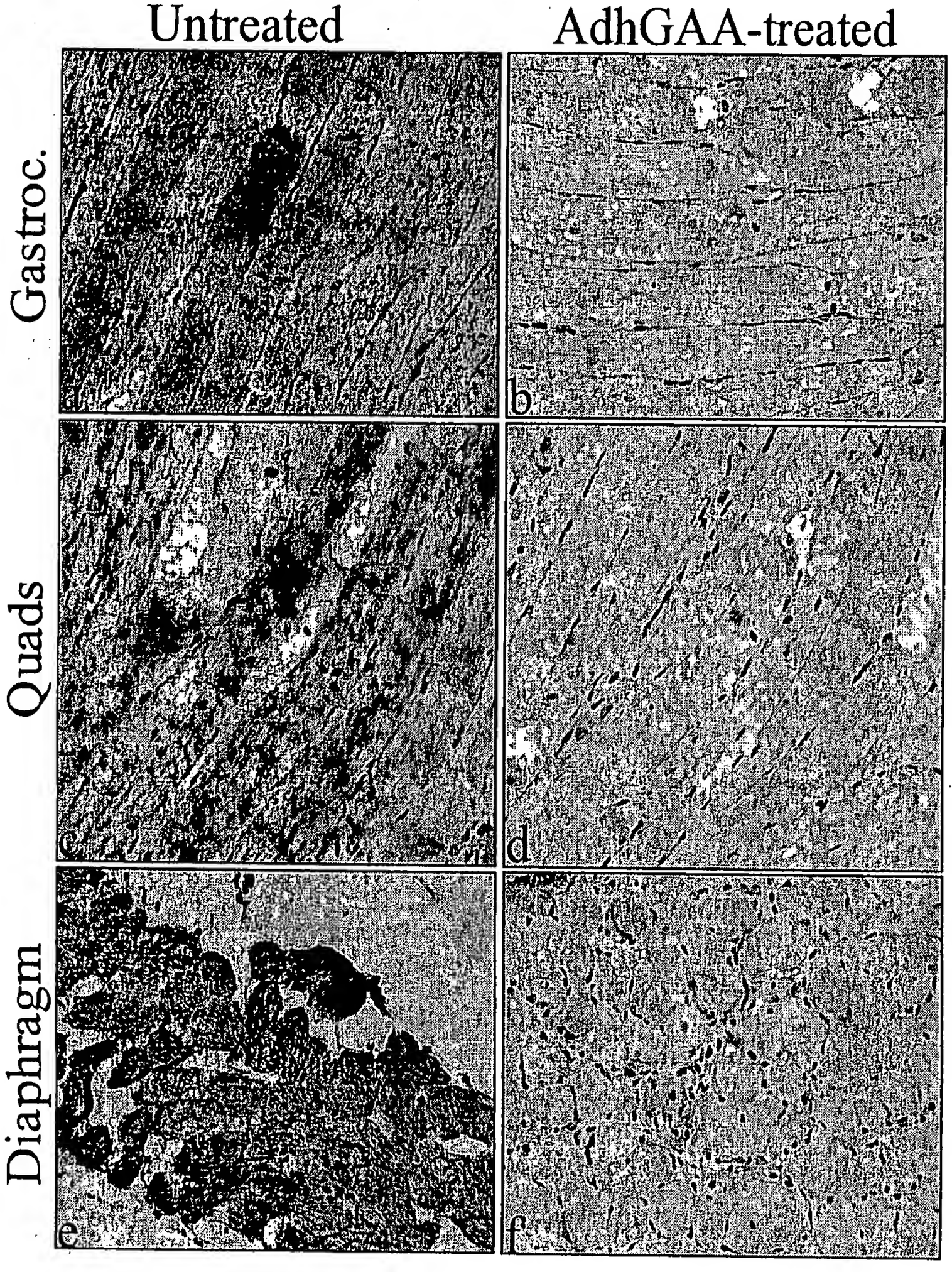


Figure 34

OIPE
JUL 12 2004
PATENT & TRADEMARK OFFICE



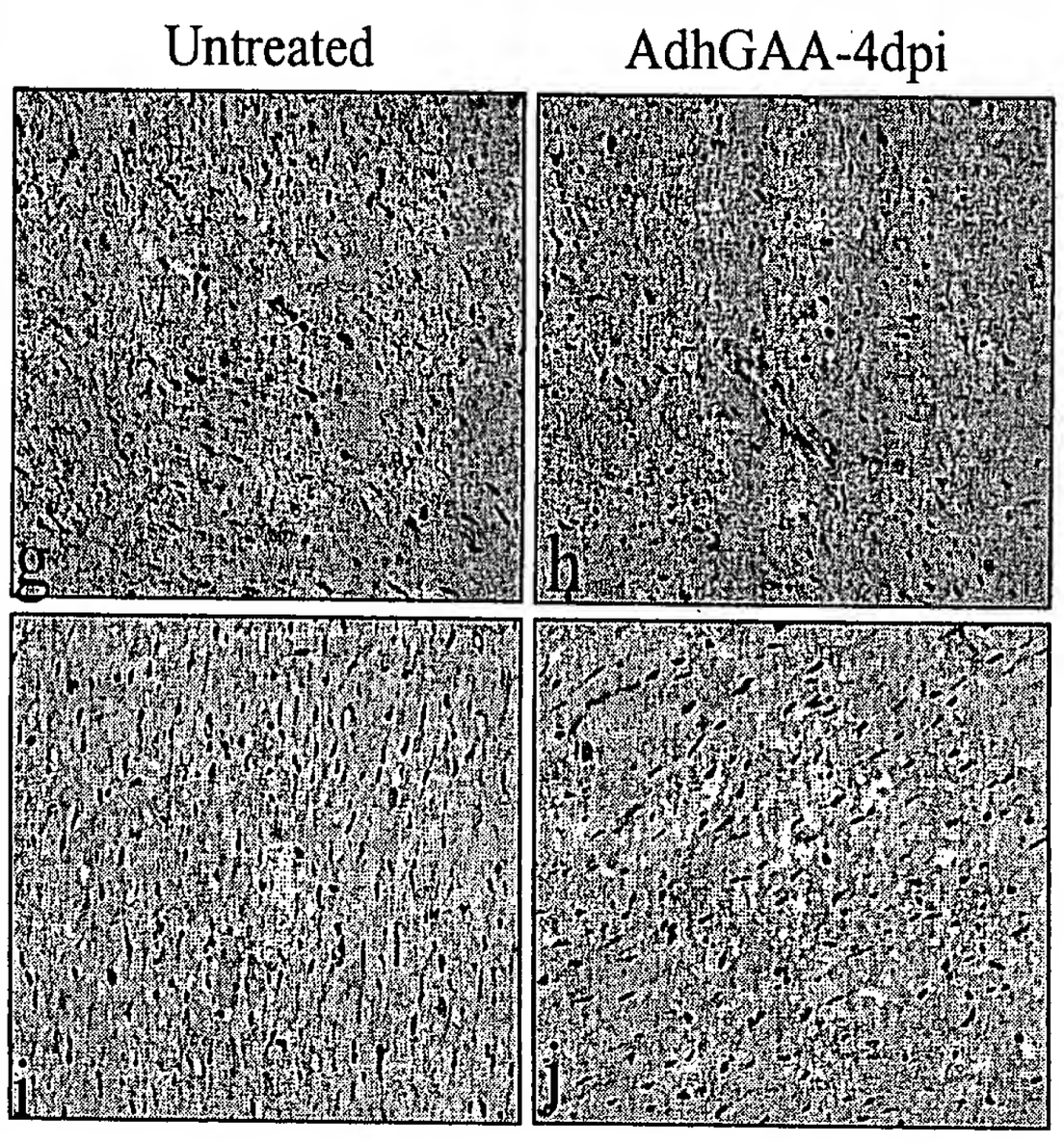


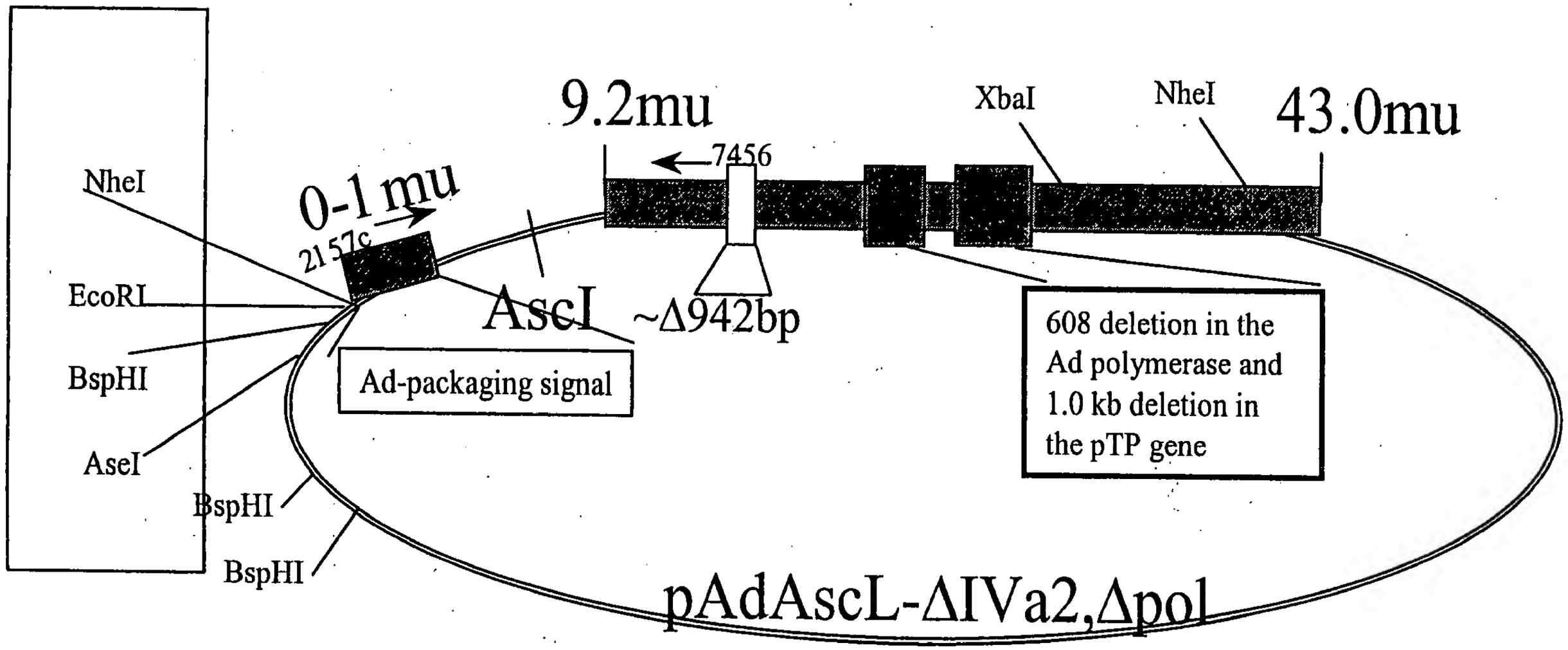
Figure 35

REPLACEMENT SHEET

OIPE JC73
JUL 12 2004
PATENT & TRADEMARK OFFICE

pAdAscL-ΔIVa2,Δpp-1.6kb:intermediate shuttle plasmid(~12.6kb) Amp-Res

Linearization sites



←primer site location of indicated primer

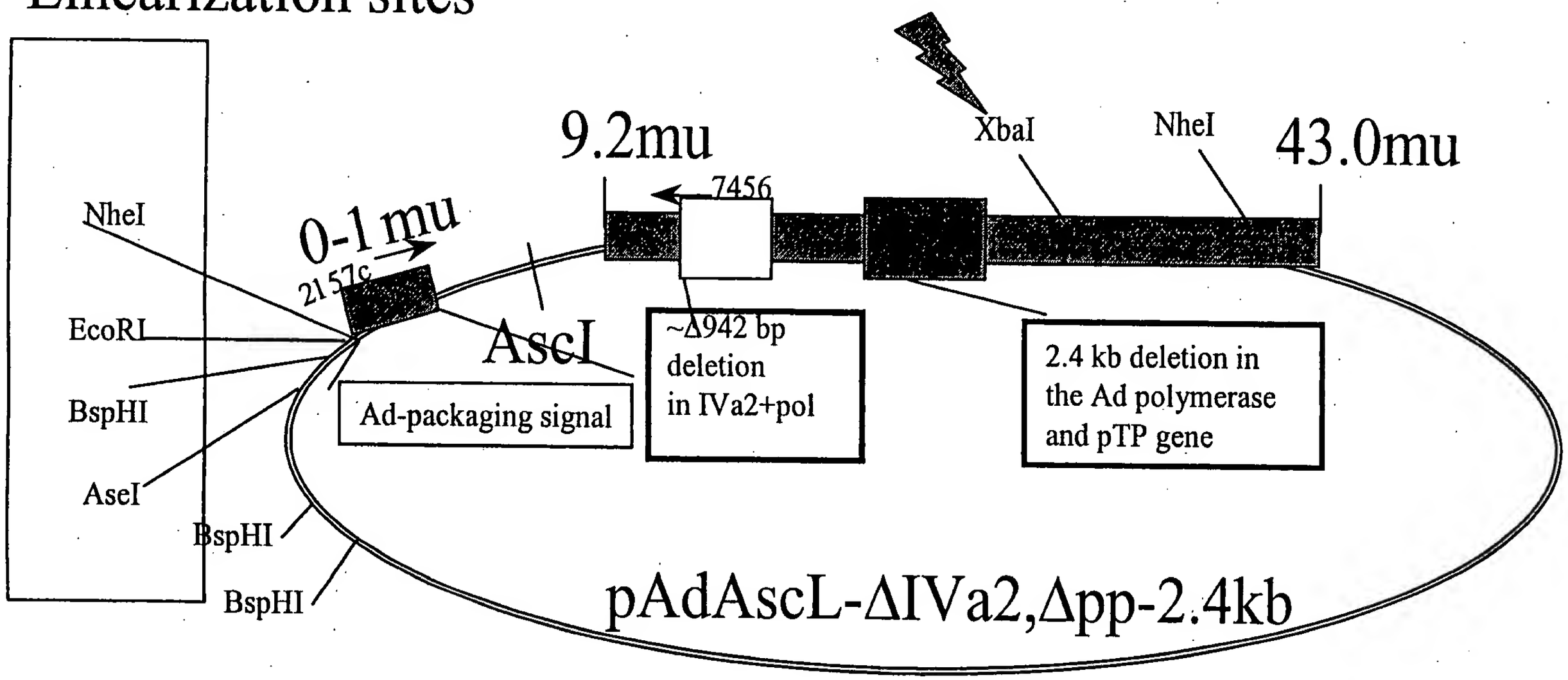
Figure 36

REPLACEMENT SHEET

JUL 12 2004
PATENT & TRADEMARK OFFICE

pAdAscL-ΔIVa2,Δpp-2.4kb shuttle plasmid(~11.8kb) Amp-Res

Linearization sites



← primer site location of indicated primer

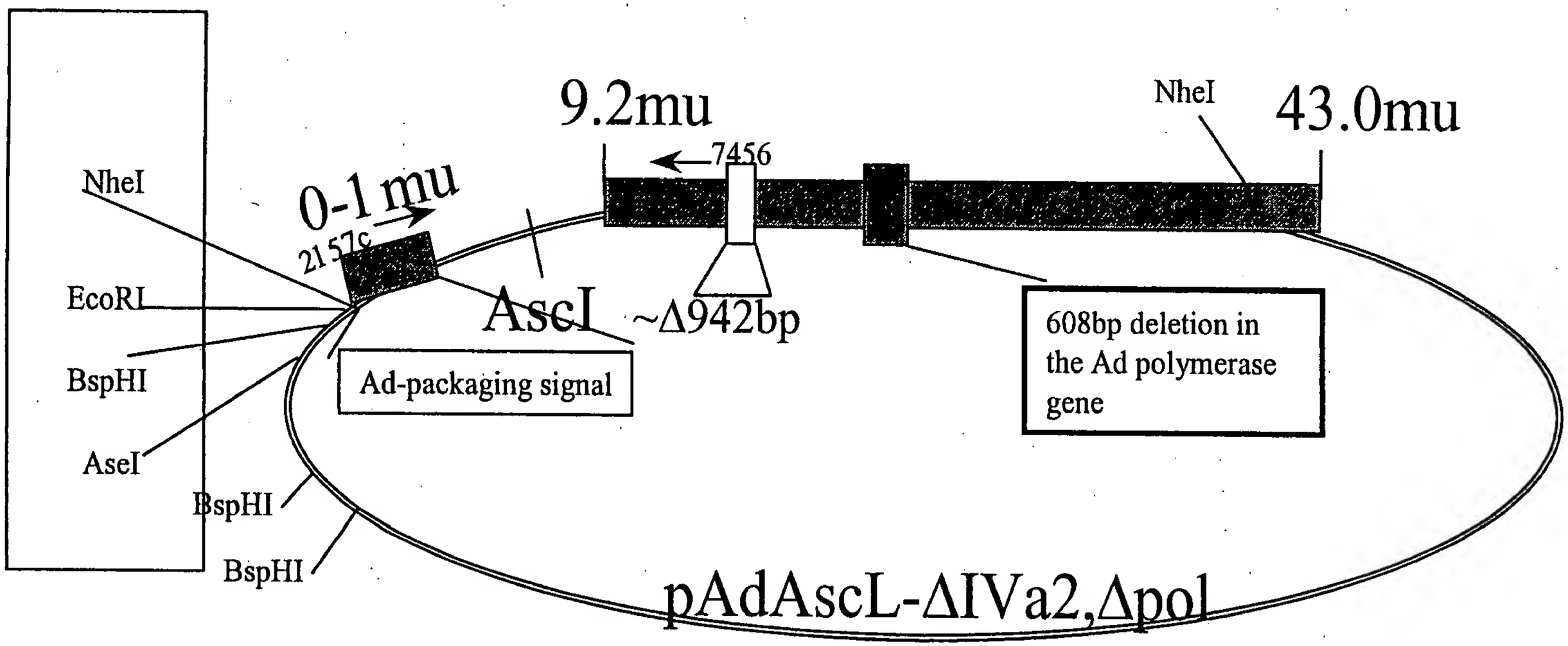
Figure 37

REPLACEMENT SHEET

JUL 12 2004
PATENT & TRADEMARK OFFICE

pAdAscL-ΔIVa2,Δpol shuttle plasmid(~13.6kb) Amp-Res

Linearization sites



← primer site location of indicated primer

Figure 38

REPLACEMENT SHEET